

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

300 W. Arrington Suite 200, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

521' FEL & 810' FNL, Sec. 14 (NE NE)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 4 miles SW of Montezuma Creek, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

541'

16. NO. OF ACRES IN LEASE

1600

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1166'

19. PROPOSED DEPTH

5420' OSCR

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4522' GR

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	120'	Circulate to Surface
12-1/4"	9-5/8"	36#	1460'	Circulate to Surface
8-3/4"	7"	20#, 23#, 26#	5420'	Desired TOC is 1360'. Final volume will be based on caliper hole volume plus 20%

Phillips Petroleum Company proposes to drill a 5420' development well to the Desert Creek Formation. Blow out preventers will be tested weekly.

I hereby certify that I am responsible under the terms and conditions of the lease to conduct lease operations in conjunction with the application.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Phillips Petroleum Company.

cc: 0+6 BLM Farmington - 1 P.J. Konkel - 1 R. Redington - 2 Utah O&GCC - 1 L.E. Hasely
1 R.C. Arnim - 1 Farmington RC

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. C. Fleisher

TITLE

Area Manager

DATE

April 2, 1991

(This space for Federal or State office use)

PERMIT NO.

43-037-31623

APPROVAL DATE

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY

TITLE

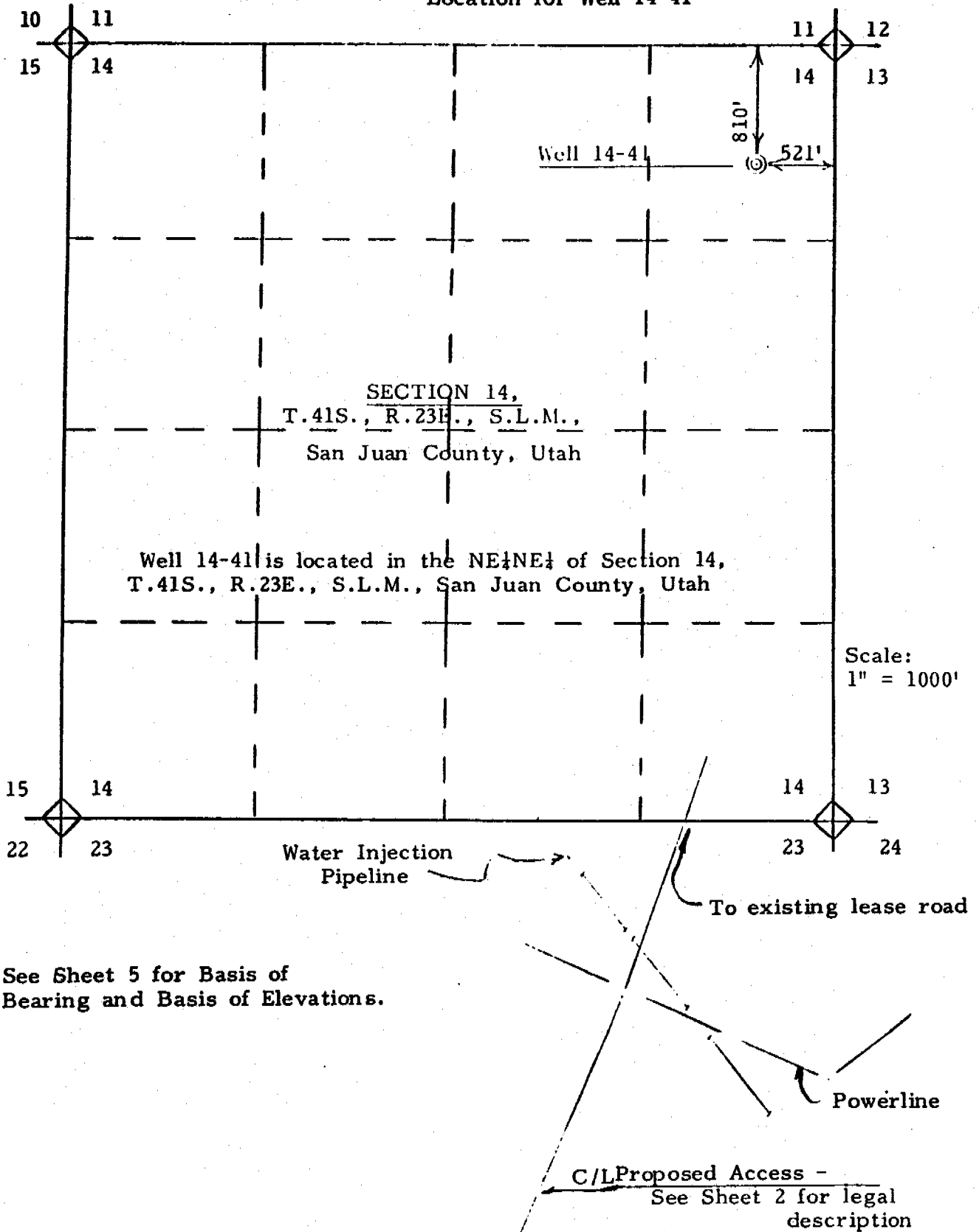
DATE: 4-30-91

BY: *John J. Mathews*

WELL SPACING: 615-2-3

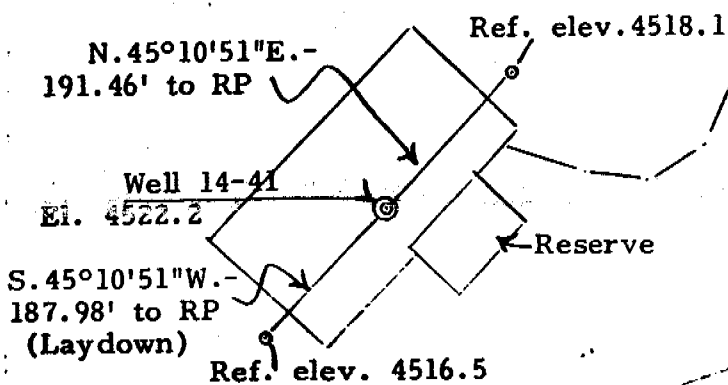
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



See Sheet 5 for Basis of
Bearing and Basis of Elevations.

Scale: 1" = 200'

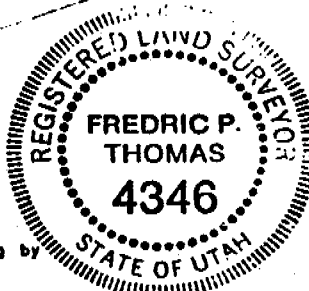


KNOW ALL MEN BY THESE PRESENTS:

THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas
FREDRIC P. THOMAS
Reg. L.S. and P.E.
Colo. Reg. No. 6728

Bearing by
Solar
observation



N

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

Utah Reg. No. 4346

Sheet 2 of 5

Phillips Petroleum
February 28, 1991
Location for Well 14-41

Legal Description, Proposed Access Easement

An easement for purposes of access in Sections 12, 13 and 14, T.41S., R.23E., S.L.M., San Juan County, Utah, the centerline being more particularly described as follows:

Beginning at a point on the edge of the well location for proposed Well 14-41, in Section 14, T.41S., R.23E., S.L.M., San Juan County, Utah, from which point the NE Corner of Section 13, T.41S., R.23E., bears N.82°32'55"E. a distance of 5732.04 ft.;

thence, S.70°00'00"E. a distance of 91.00 ft.;

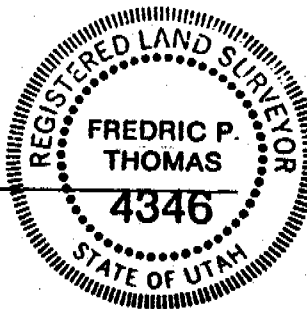
thence, S.76°34'00"E. a distance of 71.70 ft.;

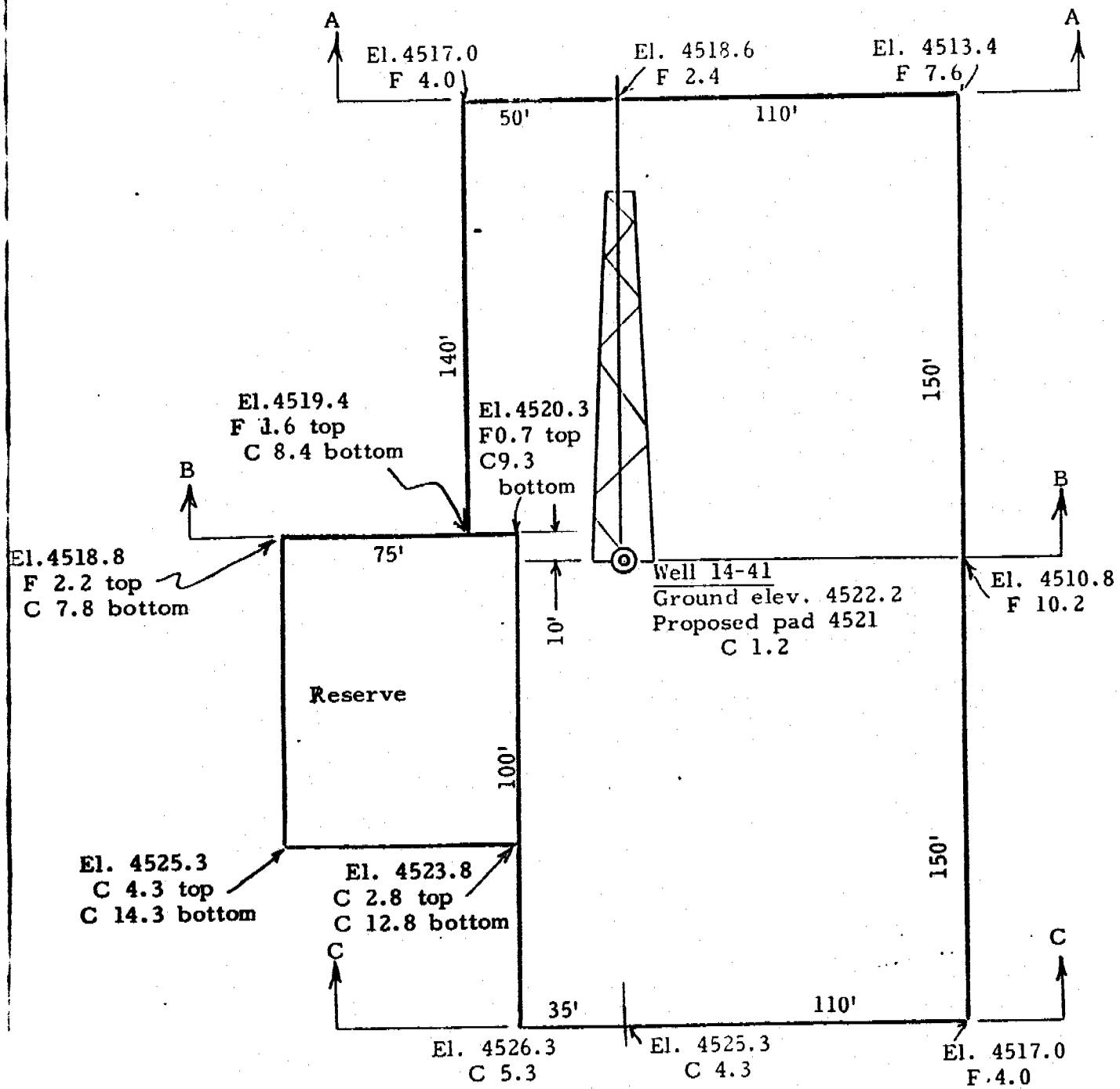
thence, N.56°50'00"E. a distance of 74.60 ft.;

thence, N.23°52'00"E. a distance of 638.30 ft.;

thence, N.19°27'00"E. a distance of 896.20 ft. to a point on an existing lease road, from which point the NE Corner of said Section 13 bears S.82°07'55"E. a distance of 4955.93 ft.


Fredric P. Thomas, PE-LS
Utah Reg. No. 4346

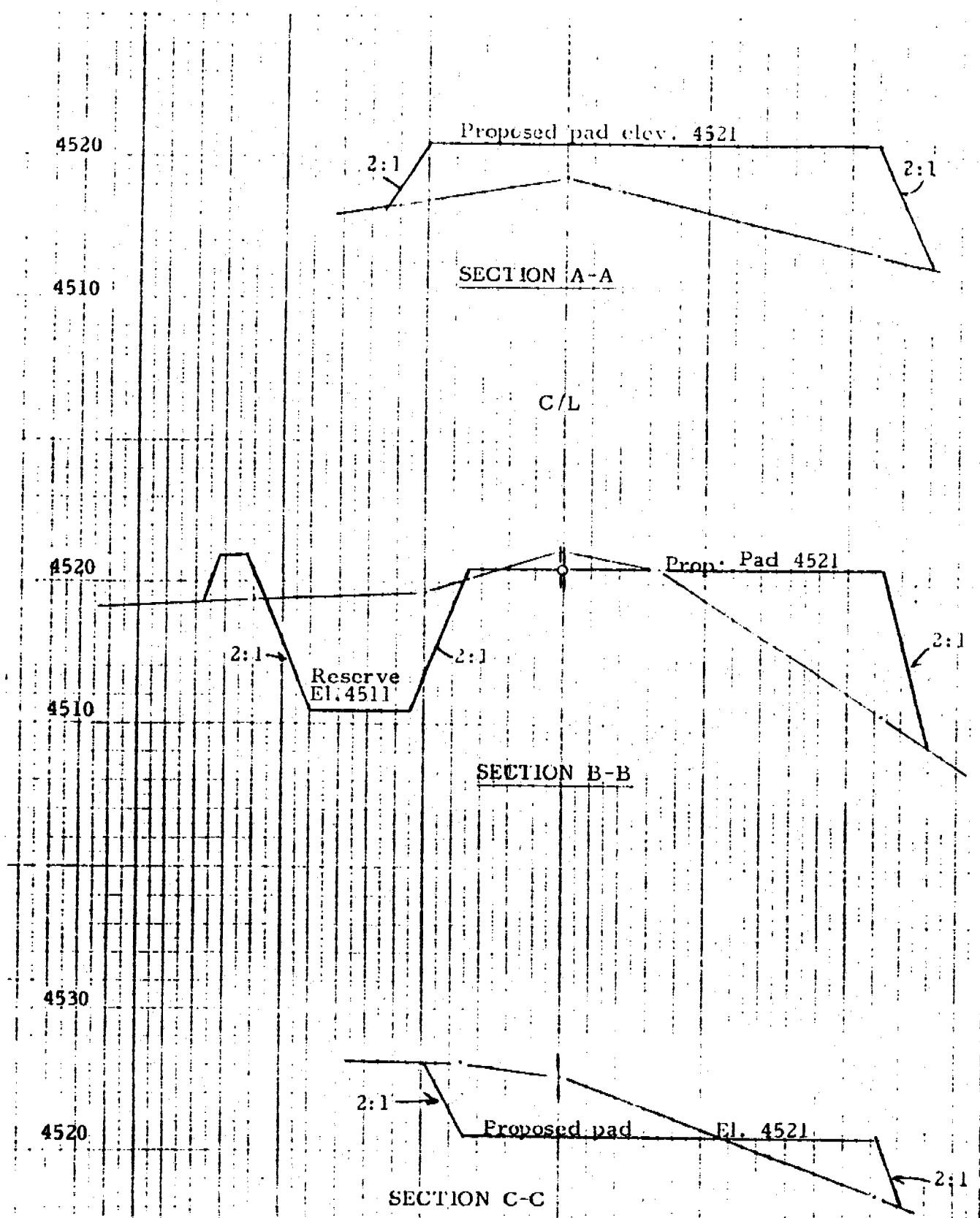




Scale: 1" = 50'

THOMAS Engineering Inc.

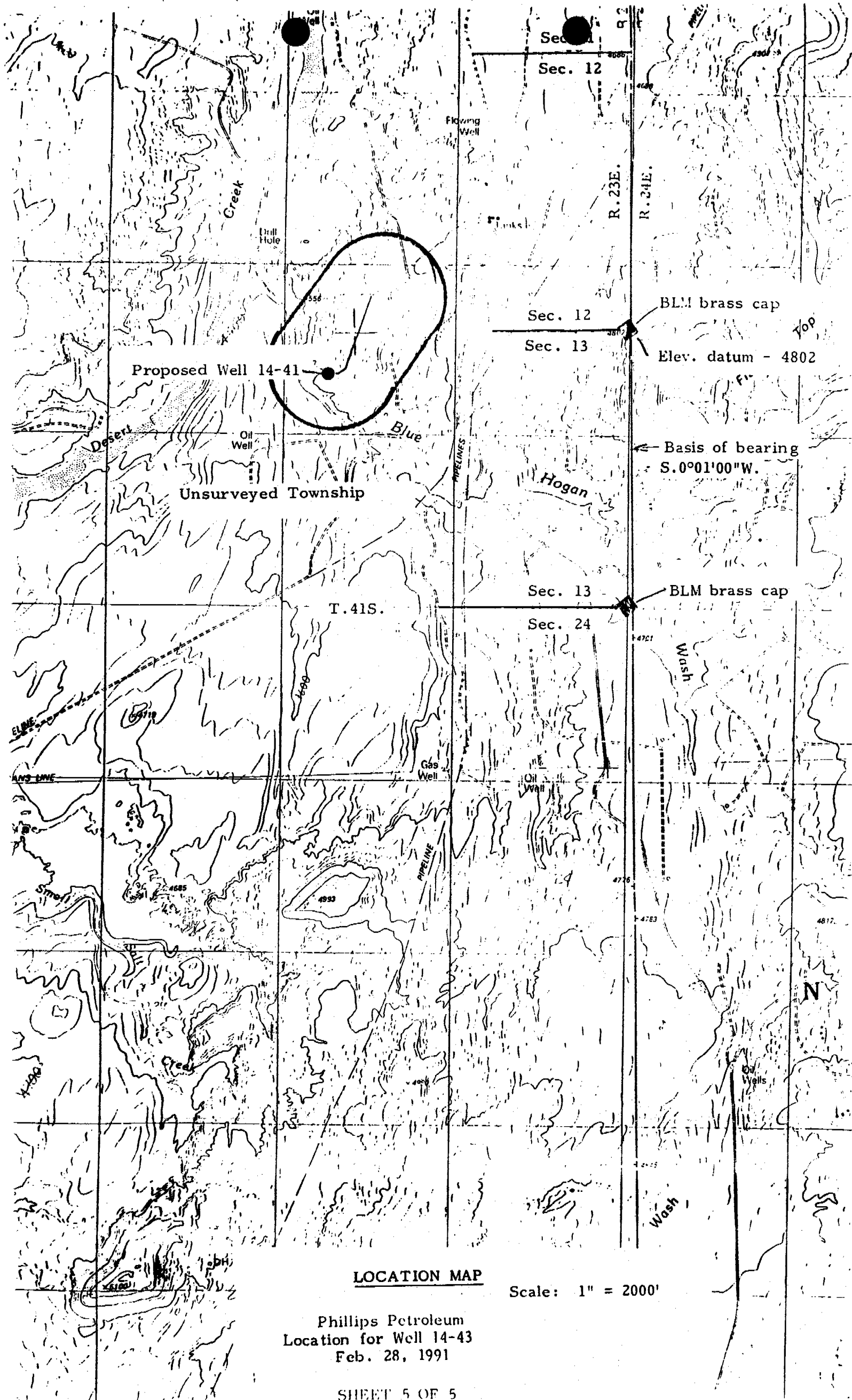
215 N. Linden
Cortez, Colorado
565-4496



Horizontal scale: 1" = 50'
Vertical scale: 1" = 10'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



LOCATION MAP

Scale: 1" = 2000'

Phillips Petroleum
Location for Well 14-43
Feb. 28, 1991

**Phillips Petroleum Company
Ratherford Unit 14-41
NE NE Section 14, T41S, R23E
San Juan County, Utah**

Supplemental Information to Form 3160-3, Application for Permit to Drill, Deepen, or Plug Back.

DRILLING PROGRAM

1. Estimated Tops of Geologic Markers (RKB):

Ground level elevation is 4,522.2 Estimated KB height is 13'.

Shinarump	1,954'	Ismay	5,099'
DeChelly	2,244	Gothic Shale	5,244
Hermosa	4,214	Desert Creek	5,262

2. Top and Bottom Depths at which Water, Oil, Gas, Salt, Uranium, Coal, and Other Mineral Bearing Formations Are Expected:

Water is expected in the Navajo, Wingate, and DeChelly formations. The lowest known usable water is expected at the base of the Wingate at 1,308'. Oil and associated gas are expected in the Ismay and Desert Creek formations. Salt may be encountered beneath the Desert Creek formation.

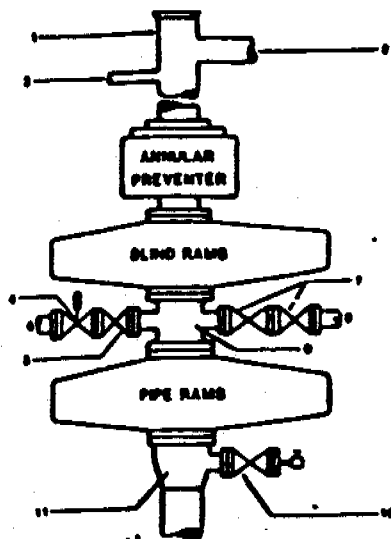
3. Blowout Prevention Equipment:

The BOP equipment will be 11" 3,000 psi WP. An accumulator system will be used with hydraulic controls located at the accumulator. Remote controls will be readily accessible to the driller.

BOP pressure tests up to 3,000 psi (2,100 psi for the annular) shall be conducted upon initial installation, whenever any seal is broken, after any repairs, and at thirty (30) day intervals. In addition, the BOP's will be function tested each trip out of the hole, and pressure tested weekly to 1,500 psi. Weekly BOP tests will be performed with the rig's pump using water as a test fluid. 30 day and full pressure tests will be performed by a BOP test service.

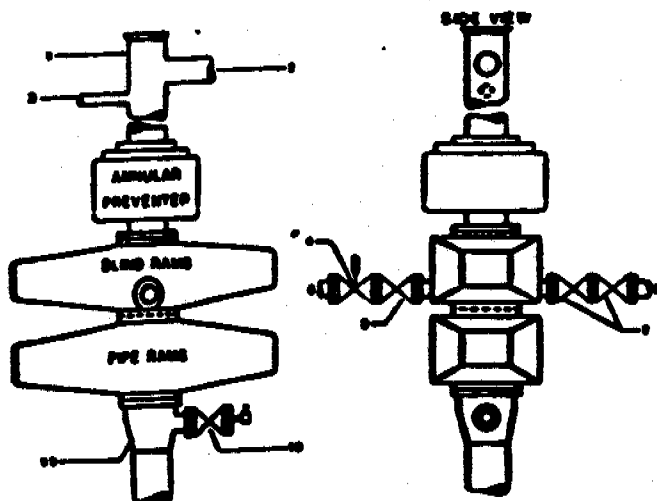
BOP tests will be conducted in accordance with Federal requirements and the Phillips Petroleum Company Well Control Manual. BOP drills will be conducted weekly for each drilling crew. All pressure tests and BOP drills will be witnessed by Phillips' representative and the contractor's senior supervisor and recorded in the driller's log which will remain on the rig floor at all times.

Casinghead will be an 11" 3M x 9-5/8" thrd head. Tubinghead will be 11" x 7-1/16" 3M.



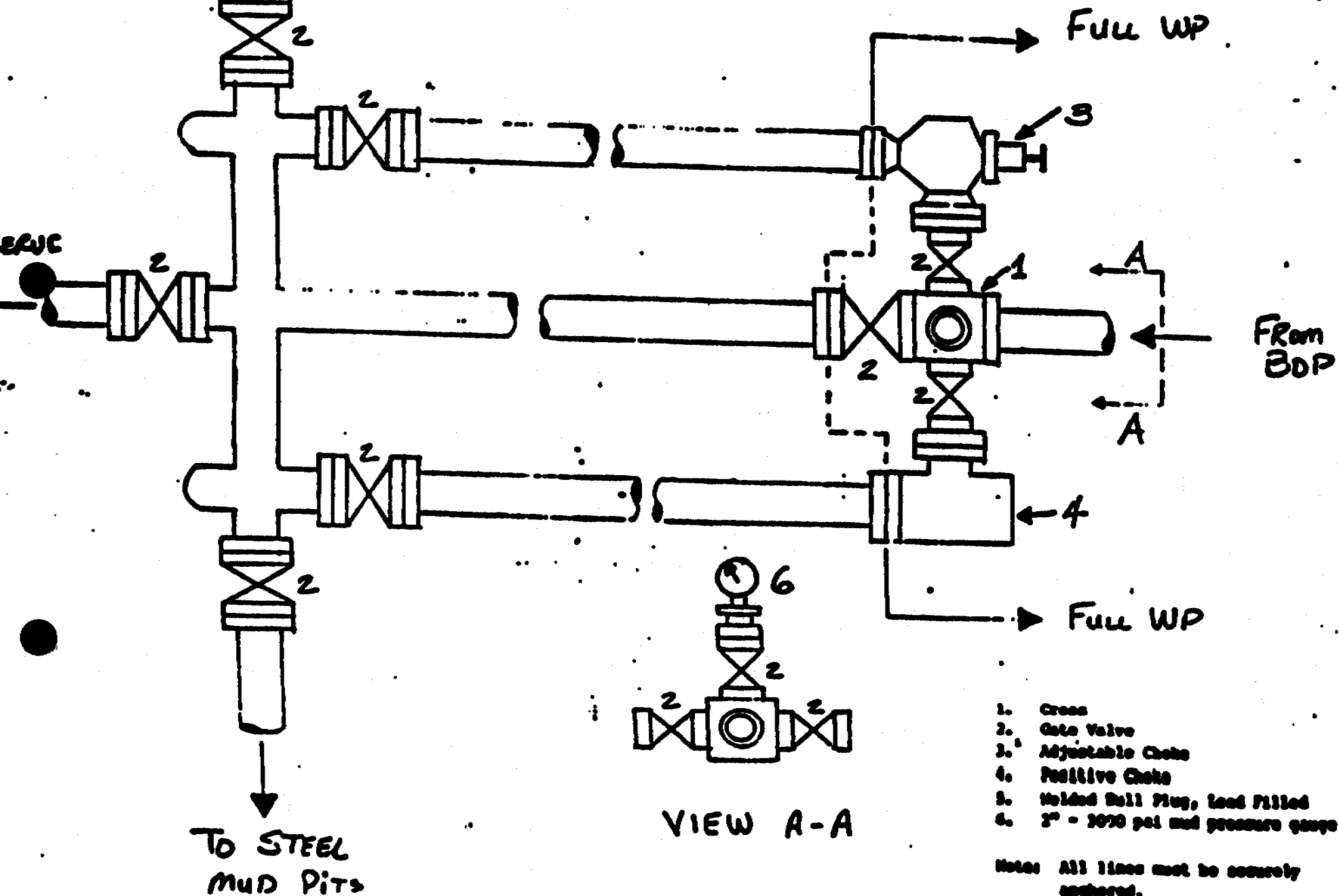
1. BELL NIPPLE
2. FLOW LINE
3. PULL-UP LINE
4. 3" PE PRESSURE OPERATED CHOKE LINE VALVE
5. 3" PE GATE VALVE
6. 3" PE CHOKE LINE TO CHOKE MANIFOLD
7. 3" PE GATE VALVE
8. 3" PE KILL LINE
9. DRILLING SPOOL
10. 3" OR 4" PE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-7. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 1



1. BELL NIPPLE
2. FLOW LINE
3. PULL-UP LINE
4. 3" PE PRESSURE OPERATED CHOKE LINE VALVE
5. 3" GATE VALVE
6. 3" CHOKE LINE TO CHOKE MANIFOLD
7. 3" GATE VALVE
8. 3" PE KILL LINE
10. 3" OR 4" PE GATE VALVE WITH NEEDLE VALVE
11. CASING HEAD HOUSING

Figure 7-8. Standard Hydraulic Blowout Preventer Assembly
(3 M Working Pressure) Alternative 2 (without Drilling Spool)



Rutherford Unit 14-41**4.a. Casing and Cementing Programs:**

All usable water and productive oil and gas zones will be covered with casing and cement as detailed below:

Conductor Pipe:

Hole Size : 17-1/2" to 120 ft
Casing : 120', 13-3/8", 48 lb/ft, H-40, ST&C
Cement : Cement casing to surface with 180 sx Class 'B' cement.

Surface Casing:

Hole Size : 12-1/4" to 1,460 ft
Casing : 1,460', 9-5/8", 36 lb/ft, J-55, ST&C
Cement : Cement casing to surface with 300 sx Light cement followed by 275 sx Class 'B' cement. Possible top job with 100 sx Class 'B' cement.
Casing Test : Will test to 1,500 psi prior to drilling out.

Production Casing:

Hole Size : 8-3/4" to 5,420 ft TD
Casing : Surface to 2,300', 7", 20 lb/ft, J-55, ST&C
2,300' to 4,900', 7", 23 lb/ft, J-55, ST&C
4,900' to 5,420', 7", 26 lb/ft, J-55, ST&C
Cement : Cement casing to desired TOC of 1,360' for the lead slurry and of 4,650' for the tail. The lead and tail slurries will be Light and Class 'G' cements respectively. Final cement volume will be based on caliper log hole volume plus 20% excess.
Casing Test : Will test to 2,500 psi.

4.b. Auxiliary Equipment to be Used:

Kelly Cocks

: Upper and lower with handle available.

Bit Floats

: None.

Mud Monitoring Equipment : Pit level indicator and flowline sensor.

Drill String Safety Valve: Will have available on the drill floor at all times to fit any section of tubing or drill string being used.

5. Drilling Fluids:

Adequate inventories of mud materials will be stored on location to build a mud volume equal to the active system on the rig in order to assure well control. The drilling fluid program is as follows:

0-1,460':

Type : Fresh water and gel
Mud Weight : 8.4 to 8.6 ppg
Fluid Loss : No Control

1,460'-2,200':

Type : Fresh water, low solids, non-dispersed polymer
Mud Weight : 8.6 to 9.9 ppg
Viscosity : 32 to 38 sec/qt
Fluid Loss : Below 15 cc/30 min
pH : 10 to 10.5 using caustic soda

2,200'-5,420':

Type : Fresh water, low solids, non-dispersed polymer
Mud Weight : 9.9 to 10.5 ppg
Viscosity : 40 to 45 sec/qt
Fluid Loss : Below 10 cc/30 min
pH : 10 to 10.5 using caustic soda

6. Testing, Logging, and Coring Program:

Logging Program:

1. GR, SP, DIL, BHC Sonic, CAL from TD to surface casing.
2. GR, CNL/LDT, PE, CAL from TD to 3,560'.

Sample Program : 30' samples from surface casing to 5,000'.
10' samples from 5,000' to TD.

Testing Program : Record pressures from pay zones with RFT.

Mud Logging : Mud log from 5,000' to TD.

7. Downhole Conditions:

- Maximum BHP expected is 2,000 psi.
- H₂S is anticipated in the Desert Creek formation. A contingency plan will be utilized.
- Abnormal pressures and temperatures are not anticipated.

8. Other Facets:

- Anticipated spud date is May 30, 1991.
- Drilling time to TD will be approximately 15 days depending upon unforeseen problems and/or weather conditions.

CULTURAL RESOURCE REPORT

The Navajo Historic Preservation Office is currently preparing a cultural resource inventory of the subject wellsite. A copy of the report will be sent to the BIA in Shiprock and the BLM in Farmington.

SURFACE USE PROGRAM

1. Existing Roads

- a. Access to existing lease roads is approximately 5 miles south of Montezuma Creek, Utah.
- b. The existing roads will be maintained in it's present condition or upgraded as needed during drilling operations.
- c. Refer to the attached access road map for road information.

2. Access Roads

This well is in an existing oil field. Roads currently exist to within 1770 feet of the well site.

The 1770 feet of new access will be flat bladed and ditched with culverts and gravel used where needed.

3. Location of Existing Wells

Locations of existing wells are shown on the attached maps.

4. Production Facilities

Production from the proposed well will be piped to the Ratherford Unit Satellite #12 located in the NW SE Sec. 12-T41S-R23E, San Juan County, Utah. The liquids will then be piped to Tank Battery #1, located in the SW SW Sec. 16-T41S-R24E.

5. Water Supply

- a. The source of water to drill the subject well will be from the River Booster, NE/4 Sec. 5., or from the Water Injection Plant, SE/4 Sec. 17 in T41S-R24E, San Juan County, Utah.
- b. The drilling water will be trucked from the water source to the subject well.
- c. A water supply well will not be drilled on the lease.

6. Construction Materials

- a. Only native soils will be used for construction of wellsite and the access road.
- b. Pit run rock will be used on the wellsite and access road when needed.
- c. The above materials are owned by the Navajo Tribe.

7. Waste Disposal

- a. Cuttings: Cuttings will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- b. Drilling Fluid: Drilling fluid will be contained in a fenced reserve pit until dry enough to cover. Upon abandonment, the reserve pit area will be backfilled, shaped to natural topography, and seeded.
- c. Garbage/Trash: All garbage and trash will be put in the burn pit. The burn pit will be fenced on four sides. After the burn pit is no longer in use, the trash and garbage will be covered with a minimum of 4 feet of fill.
- d. Salt: No salts are anticipated on this well. If salt is present, it will be disposed of in the reserve pit.
- e. Chemicals: Chemicals used in the well will be disposed of in the reserve pit.
- f. Sewage and graywater: Sewage and graywater from the drillers and Phillips staff trailers will be held in a self contained system. Portable chemical toilets will also be available on location.
- g. Produced fluids: Produced fluids from the well will be placed in tanks on location or piped to Tank Battery #1.

8. Ancillary Facilities:

- a. There will be no drilling camp on location. Several mobile housing units will be on location for various personnel. A self contained sewage and graywater system will be provided for these facilities.
- b. No airstrip will be needed.

9. Well Site Layout

- a. Refer to the attached rig layout plan.
- b. Lining of the reserve pit is not anticipated. If porous soils are encountered the pit will be lined.

10. Surface Reclamation Plan:

- a. Construction Program:
 1. Six to eight inches of surface material will be stripped and stockpiled prior to construction. This soil will not be used for any purpose except final rehabilitation of the disturbed area.
 2. See the cross sectional diagram of the location for construction specifics.
 3. All temporary disturbances will be restored to their original contour.
 4. Trees, if any, will be stockpiled separately of topsoil.
- b. Well Abandonment: The disturbed areas will be recontoured to the original topography. No unnatural depressions will be left that may collect water. The stockpiled topsoil will be distributed evenly over the area. The area will be reclaimed and seeded in accordance with BLM specifications.
- c. Producing Well: Those areas not needed for production purposes will be recontoured to the surrounding topography. Topsoil will be evenly distributed over areas not needed. These areas will be seeded per BLM specifications.
- d. Pipelines and flowlines needed for producing this well will be above ground.
- e. Rehabilitation will begin the fall following the completion of drilling activities depending on weather conditions and the pit evaporation rate.

11. Surface Ownership: The wellsite location, access road and leadline are on the Navajo Indian Reservation. No dwellings are in the proposed drilling area.

12. Other Information: Anticipated drilling time is 15 days, dependent on unknown problems and weather.

13. Operator's Representative and Certification:

R. G. Flesher
Area Manager
Phillips Petroleum Company
300 W. Arrington, Suite 200
Farmington, New Mexico 87401
(505) 599-3400

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Phillips Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of false statement.


R. G. Flesher
Area Manager

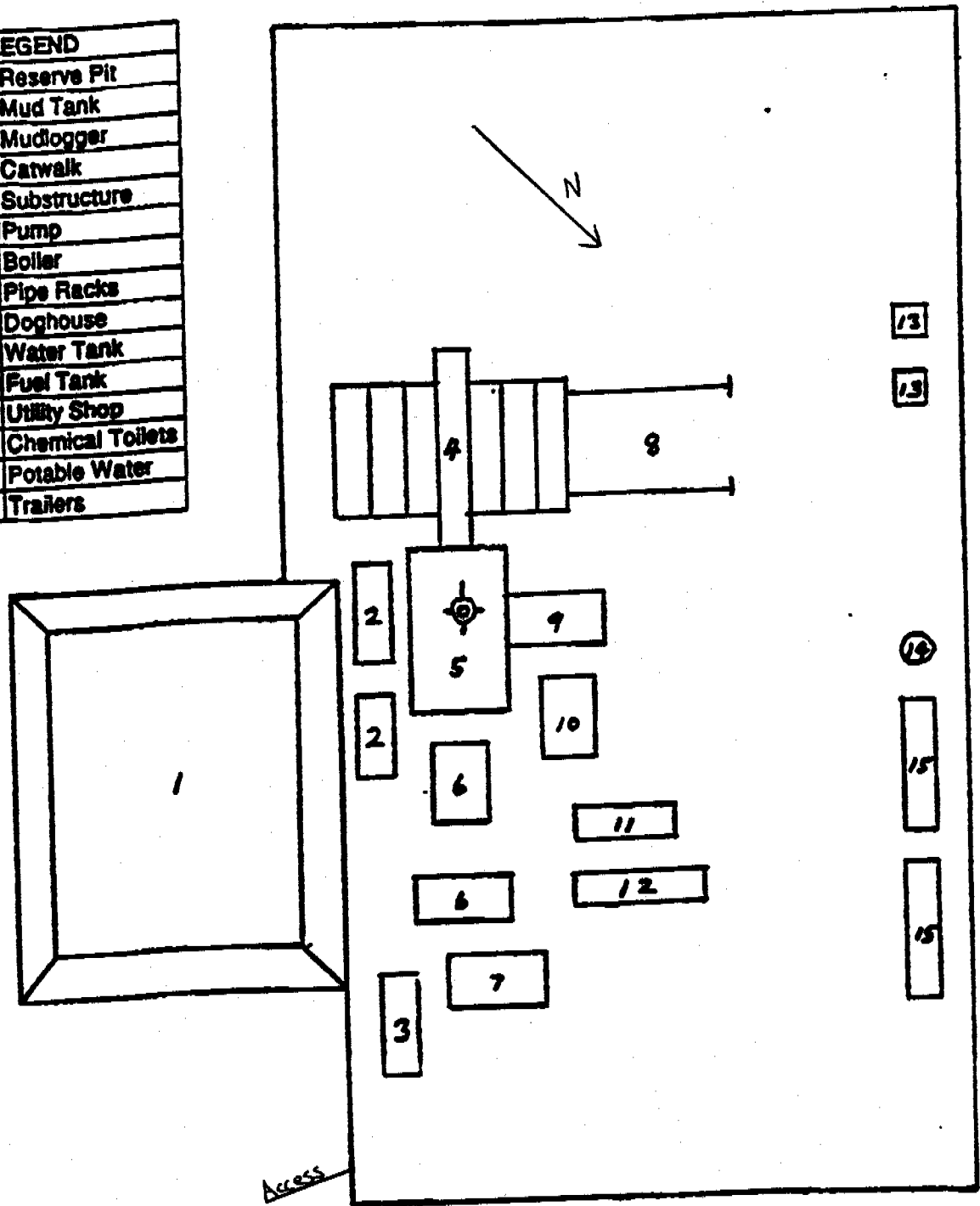
April 2, 1991
Date

LEH/crr-2/fb
3-18-91

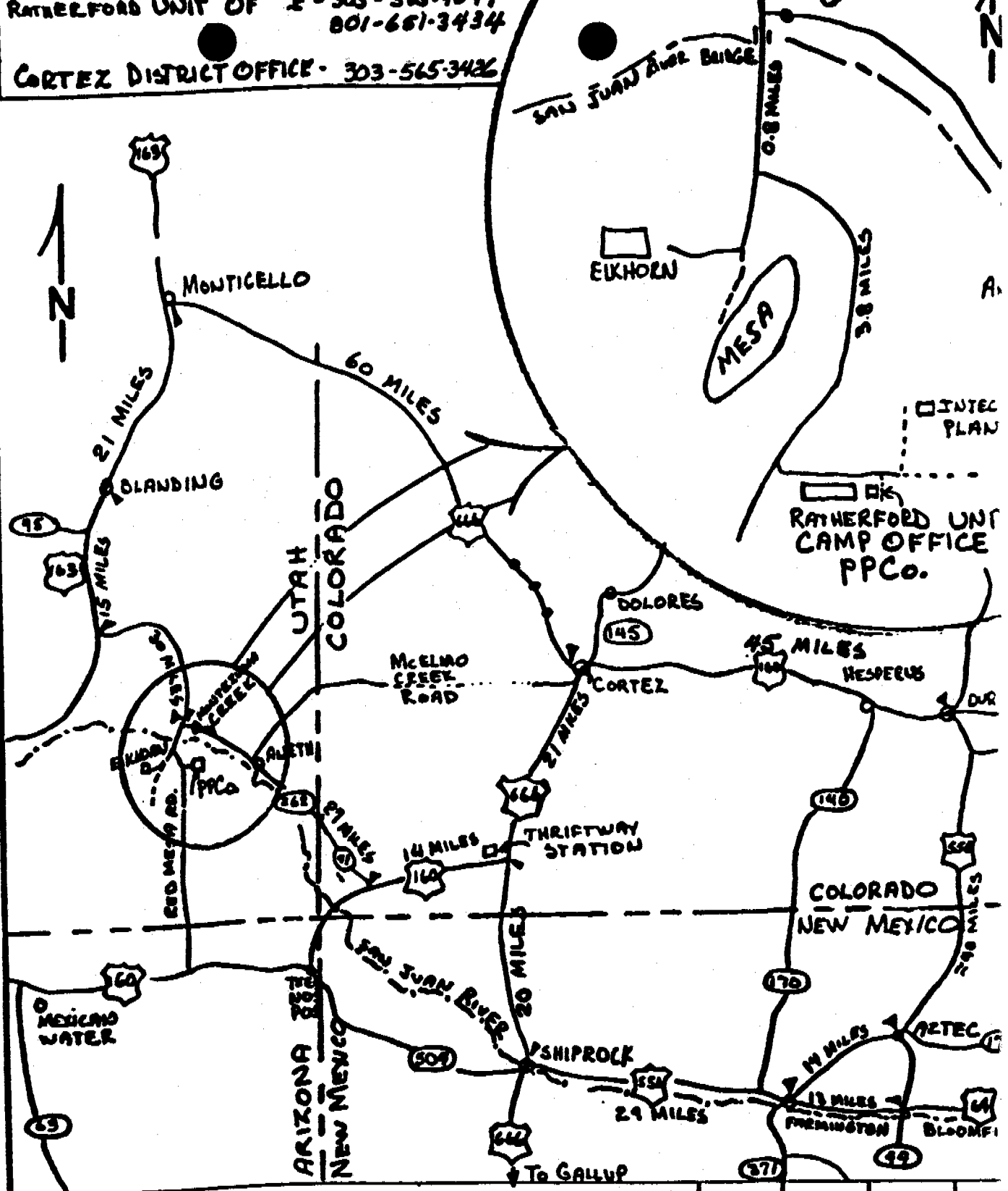
Ratherford Unit 14-41 San Juan County, Utah Location Layout

(Overall Size: 235' x 300')

LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers

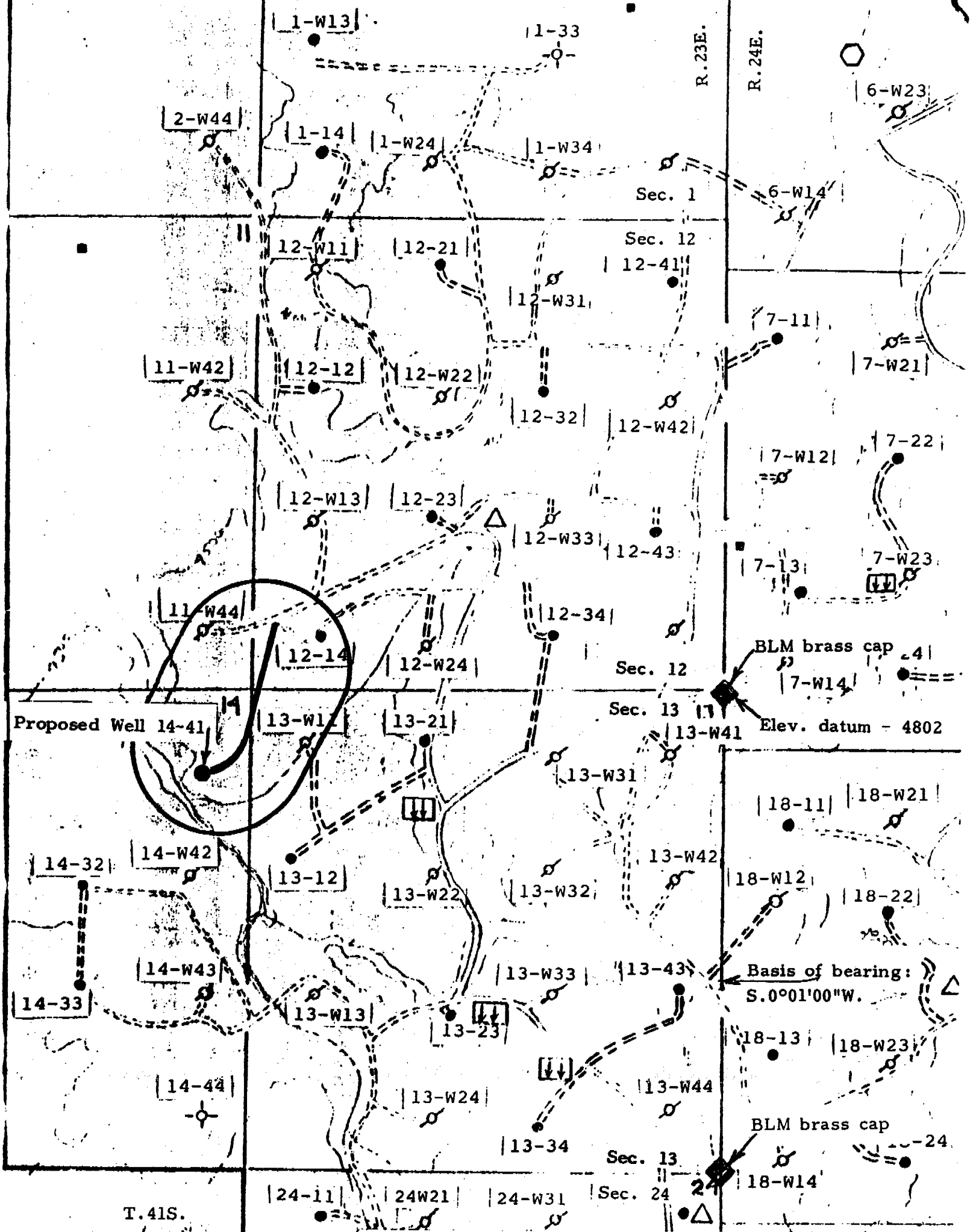


RATHERFORD UNIT OF 2-303-565-3426
 801-661-3434
 CORTEZ DISTRICT OFFICE - 303-565-3426



NO.	REVISION	BY	DATE	CHKD	APD
FOR BIDS	PHILLIPS PETROLEUM COMPANY				JA NO.
FOR APPR	BARTLESVILLE, OKLAHOMA				FILE C
FOR CONST	ROAD MAP				AFE NO.
	RATHERFORD UNIT				SCALE
					Now
DRAWN 2/2/90					DWG NO.
CHECKED					SH NO.
APPD					

Unsurveyed Township



LOCATION MAP

Phillips Petroleum
Location for Well 14-41
March 22, 1991

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Emergency Notification (Air Service & Motels)

Emergency Notification (Company Personnel)

Emergency Notification (Residents)

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Responsibilities

Igniting the Well

Evacuation Procedures

Rig Up For Drilling

Equipment Map

Rig Up for Workover/Completion

Special Operations

Section III - Additional Information

Hydrogen Sulfide

Do You Know

Use of SCBA

CONTINGENCY PLAN

Action Plan for Accidental Release of H2S

RATHERFORD UNIT

SAN JUAN COUNTY, UTAH

Well No.	Location
11 - 43	Sec. 11, T41S, R23E
14 - 41	Sec. 14, T41S, R23E
13 - 14	Sec. 13, T41S, R23E
24 - 32	Sec. 24, T41S, R23E
19 - 97	Sec. 19, T41S, R23E
20 - 66	Sec. 20, T41S, R23E
20 - 67	Sec. 20, T41S, R23E
20 - 68	Sec. 20, T41S, R24E

This Contingency Plan was written specifically for:

PHILLIPS PETROLEUM COMPANY

P. O. BOX 1150

CORTEZ, COLORADO 81321

INTRODUCTION

CONTINGENCY & EVACUATION PLAN

PHILLIPS PETROLEUM COMPANY

P. O. BOX 1150

CORTEZ, COLORADO 81321

DIRECTIONS TO LOCATION:

From Cortez, Colorado take US 666 South to intersection of US 160. Take US 160 West 14 miles to intersection State 41. Take State 41 Northwesterly continuing on Utah 262 through Aneth to Montezuma Creek. Red Mesa Road, south from Montezuma Creek bisects the Unit.

PURPOSE OF PLAN:

The purpose of this plan is to safeguard the lives of the public, contract personnel and company personnel in the event of equipment failures or accidental discharges during operations in formations which may contain H₂S, hydrogen sulfide gas.

This Plan has been developed in compliance with Company, Industry, State and Federal standards relating to hydrogen sulfide operations. This Plan establishes working policies which are intended to ensure that employee and public exposure to hydrogen sulfide gas will not exceed safe, acceptable levels.

SECTION I
EMERGENCY LISTINGS

RATHERFORD UNIT
EMERGENCY PHONE CONTACT LIST

	<u>HOME PHONE</u>	<u>OFFICE PHONE</u>
DEE, H.P.	(801) 651-3456	(303) 565-9049
DILLON, E.P.	(801) 651-3200	(303) 565-9049
IVEY, E.D.	(303) 565-6233	(303) 565-9049
PARTAIN, K.L.	(801) 651-3448	(303) 565-9049

ENGINEERING

HEUMAN, W.R.	(303) 565-6255	(303) 565-3426
HAMILTON, D.P. CASPER	(307) 234-2834	(307) 237-5963
SCHUMAN, F.G. CASPER	(307) 234-7442	(307) 237-5964

SAFETY

BENOIT, T.J. CASPER	(307) 577-1126	(307) 237-5961
DAVIS, R.R. HOUSTON	(713) 852-6425	(713) 669-2159

ENVIRONMENTAL

HASLEY, L.E. CASPER	(307) 472-0511	(307) 237-5969
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DISTRICT SUPERINTENDENT

ODEN, S.H. CASPER	(307) 473-2340	(307) 237-5960
MEGHINI, M.L. CORTEZ	(303) 565-2470	(303) 565-3426

<u>NAME</u>	<u>LOCATION</u>	<u>OFFICE</u>	<u>HOME</u>
<u>PRODUCTION DIRECTOR (HOUSTON)</u>			
GILL, D.C.	HOUSTON	(713) 669-3519	437-0981

<u>AREA MANAGER (HOUSTON)</u>			
JONES, M.L.	HOUSTON	(713) 669-3762	438-0053

<u>REGION MANAGER (HOUSTON)</u>			
FETTERS, J.K.	HOUSTON	(713) 669-3501	437-0498

<u>DRILLING SUPERINTENDENT (HOUSTON)</u>			
ELMORE, R. J.	HOUSTON	(713) 669-3719	980-6605

EXETER DRILLING

Operations:

Gelen Hertzler	Denver	(303) 861-0181	(303) 841-2945
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Safety:

Harry Olds	Denver	(303) 861-0181	(303) 841-2945
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EMERGENCY NOTIFICATION CHART
CASPER DISTRICT

REGION OPERATIONS MANAGER

J. K. FETTERS

HOUSTON AREA MANAGER

M. L. JONES

HOUSTON PRODUCTION DIRECTOR

D. C. GILL

CASPER DISTRICT SUPERINTENDENT

S. H. ODEN

CORDEZ SUB-DISTRICT

M.L. MENGHINI

SUPERVISOR

EMPLOYEE

E&P EMERGENCY COMMUNICATION PLAN
BARTLESVILLE NOTIFICATION THRESHOLDS

Criteria for Bartlesville notification:

A fatality of an employee or third party and/or incident involving numerous, serious injuries.

Any major production interruption that would effect the financial contribution to E&P and/or other Corporate Group organizations that E&P supplies criteria feedstocks.

Any incident attracting or expected to attract major media interest.

Major oil spills or other significant environmental incidents.

Major fire at a production/processing/terminaling/transportation facility.

Loss of well control that threatens life and the environment.

Significant breaches of security (i.e., civil disorder, acts of terrorism, etc.)

Any situation that in the judgement of Exploration and Production Regional and Division Managers should be brought to the attention of Corporate Management.

CESU ALERT OUTLINE - E&P GROUP

After E&P Basrtlesville Contact has been notified as specified in the E&P Emergency Communication Plan:

CALL: (800) 447-6166 (within U.S.)
(918) 661-7888 (International)

Your message will be recorded.

Give:

1. Your Name and Title.
2. Your telephone number (including country code, if international)
3. Current date and time
4. Location of incident
5. Time of incident
6. Dictate a brief message describing the situation.*

(*Sample: Explosion and fire sat facility. Two workers taken to hospital, others may be missing. Fire not yet under control.)

Do not use the CESU Notification Line for follow-up messages.

Instead, call the CESU Center (16 PB): (918) 661-1238.

EMERGENCY TELEPHONE NUMBERS
CORTEZ DISTRICT/RATHERFORD UNIT

PHYSICIAN	MONTEZUMA CREEK CLINIC	801	651-3291
	BLANDING CLINIC	801	678-2254
	CORTEZ MEDICAL CLINIC	303	565-8556
EMT	SAN JUAN CITY, DISPATCH	800	332-1911*
HOSPITALS	SOUTHWEST MEMORIAL(CORTEZ)	303	565-0301
	SAN JUAN HOSPITAL (MONT)	801	587-2116
AMBULANCE FIRE DEPARTMENT POLICE	SAN JUAN COUNTY DISPATCH	800	332-1911*
NAVAJO POLICE	SHIPROCK, NEW MEXICO	505	368-4383
VETERINARY	BLUE MOUNTAIN VET(BLANDING)	801	678-2414

* CALLS FROM UTAH ONLY

DISCHARGE NOTIFICATION DIRECTORY

UTAH

- I. Federal: (a) 0-10 Bbl pollutant, fully contained non-sensitive area; no notification required.
- (b) 10-100 Bbl pollutant, fully contained non-sensitive area; or no more than 100 Bbl pollutant fully contained: notify BLM in writing (use form) within 15 days.
- (c) Any event in a sensitive area or 100 Bbl or more of a pollutant (not contained) notify;
(1) BLM within 24 hours, written notice within 15 days.
(2) Notify the surface Management Agency as a courtesy. (f.ex. - USFS)
- II. Indian: Same as above with immediate notification to Navajo Tribal Land Administration on type (c) events; carbon copy of all BLM notices of events occurring on the reservation.

NOTE: On any discharge into a sensitive area, notification of the EPA may be necessary. Use discretion.

Pollutant: Any well produced substance (oil or produced water), any manufactured chemical; all hazardous waste discharges are spills.

Ratherford Unit:

BLM
1235 LaPlata Highway
Farmington, NM 87401
(505) 327-5344

BIA Shiprock Agency
P. O. Box 966
Attn: Ed McGabe
(505) 368-5109/5705

Navajo Tribal Land Administration
P. O. Box 410
Montezuma Creek, UT 84534
(801) 651-3655

All Other Leases in Utah:

BLM
2000 Administration Building
1745 West 1700 South
Salt Lake City, UT 84104
(801) 524-4590

Environmental Protection Agency: (303) 293-1788

Emmett Schmitz: (303) 293-1436

AREA SPILL NOTIFICATION DIRECTORY

UTAH

SPILLS

AGENCIES TO BE NOTIFIED

ALL SPILLS

Environmental Protection Agency
(303) 293-1788 (24 Hours)
Denver, Colorado

Department of Health/Division of
Environmental Health Bureau of
Drinking Water
(801) 538-5346
Salt Lake City, Utah

Division of Oil, Gas & Mining
(801) 538-5346
Salt Lake City, Utah

Bureau Of Land Management
1235 LaPlata Highway
Farmington, New Mexico 87401
(505) 327-5344

Bureau of Land Management
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104
(801) 524-4590

IMMEDIATE NOTICE WITHIN 18 HOURS
SUBSEQUENT NOTICE WITHIN 15 DAYS IN
TRIPPLICATE

Spills Endangering
Fish and Wildlife

Utah Division of Wildlife Resources
(801) 328-328-5081 (office)
Salt Lake City, Utah

Spills Requiring Burning

Department of Health/Div. of Env. Health
Bureau of Air Quality
(801) 538-6700
Salt Lake City, Utah

Spills creating Traffic
Hazards or Requiring
Movement of Heavy
Equipment on Highways

Utah State Highway Patrol
(801) 965-4089 (24 Hours)
Salt Lake City, Utah

RADIO

KISZ - "KISS 98 FM P.O. Box 740, Cortez, CO. (303) 565-1212
KSUT - 89.5 FM P. O. Box 737, Ignacio, CO. (303) 247-4900
KRTZ - 98.7 FM 200 W. Main, Cortez, CO. (303) 565-6565
KNDN - Navajo Radio 1515 W. Main, Farmington, NM. (505) 325-1996

TELEVISION

Cortez Cable - Albuquerque
Denver

Montezuma Creek Area - Antenna - KSL, Salt Lake City
KUTV, Salt Lake City
KTUX, Salt Lake City

LOCATION	CONTACT	TITLE	OFFICE NUMBER	HOME NUMBER	MOBILE NUMBER	OTHER
Houston, TX	M. L. Jones	Houston Area Mgr	713: 669-3762	713: 438-0052		
	R. P. Jones	Drilling Supt.	713: 669-3760	713: 493-3416	882-2957	841-8034 - Pager
	B. E. Park	Development Supt.	713: 669-3770	409: 768-1716	822-3459	833-0382 - Pager
	R. J. Elmore	Drilling Supt.	713: 669-3719	713: 980-6605	823-8236	841-8505 - Pager
	K. W. May	Development Supt.	713:	318: 855-7829	823-5084	971-1066 - Pager
	J. R. Jackson	Contract Admin. Supt.	713: 669-3518	713: 499-6682		
	R. W. Elkins	Sr. Contract Rep.	713: 669-3507	713: 499-6753		
	L. K. Souders	Sr. Contract Rep.	713: 669-3763	713: 777-2602		
	J. R. Lee	Engineering Director	713: 669-3551	713: 980-0106		
	P. D. Bairrington	Prod. Engr. Dir.	713: 669-3553	713: 980-8628		
	T. J. Murray	Comm. Electronics Supv.	713: 669-2165	713: 666-8756	882-6566	833-5301 - Pager
	G. D. Gillham	Rsvr. Engr. Dir.	713: 669-2968	713: 342-7620		
	R. C. Arnim II	Drlg. Engr. Dir.	713: 669-3586	713: 265-0726		
	A. B. Glasgow	Gas Proc & Supply Dir.	713: 669-3509	713: 438-8028		
	J. W. Byron	SOGS/TBPL Principal	713: 669-3520	713: 449-2192		
	G. M. Schuppert	Gas Develop. Supv.	713: 669-3723	713: 667-5745		
	D. C. Gill	Production Dir.	713: 669-3519	713: 437-0981		

LOCATION	CONTACT	TITLE	OFFICE NUMBER	HOME NUMBER	MOBILE NUMBER	OTHER
Casper, WY	S. H. Oden B. Reed E. D. Gamble - Roamer W. W. Bachus J. Weaver	Casper Dist. Supt. Field Supv. NE WY & SD O&G Prod. Supv. W WY & MO O&G Prod Supv. UT O&G Gas Prod. Sr. Supv.	307: 237-5960 707: 374-5499 307: 867-2378 307: 782-6139	307: 473-2340 307: 464-1258 307: 787-6795 307: 782-6954	307: 265-4011 307: 481-6432 307: 686-8756 307: 856-8020 307: 382-0103	307: 856-8066
Cortez, CO	M. L. Menghini E. D. Dillon E. D. Ivey K. L. Partain H. P. Dee (Alt) W. R. Heuman (Alt)	Cortez Supt. O&G Prod. Sr. Supv. O&G Prod. Supv. O&G Prod. Supv. Utility Coord. Prod. Engr.	307: 265-8177 303: 565-3426 303: 565-9049 303: 565-9049 303: 565-9049 303: 565-9049 303: 565-3426	307: 358-4145 303-565-2470 801: 651-3200 303: 565-6233 801: 651-3448 801: 651-3456 303: 565-6255	Recorder after 5 801: 651-3434 801: 651-3434 801: 651-3434 801: 651-3434	
Houston, TX	OTHER: Materials: A. L. Sorrels R. L. Standridge T. M. Norrell S. Tarner	Region Matls. Supt. Matls. Specialist Matls. Rep. Matls. Rep.	713: 669-3555 713: 669-3712 713: 669-3713 713: 669-2932	713: 980-2181 713: 499-5386 713: 980-9267 713: 261-4817	620-3018 924-8414 663-9804 620-8003	

EMERGENCY CONTACT PLAN MEMBERS

GREAT PLAINS REGION

J. S. Yoss - Borger
G. R. Glinsmann - Borger

PERMIAN BASIN REGION

K. Am - Odessa
P. D. Appel - Odessa

UNITED KINGDOM DIVISION

K. L. Hedrick - Woking, England
S. A. Siemens - Woking, England
P. M. Spaven - Aberdeen, Scotland
C. J. Freeman - Bacton

DRILLING & PRODUCTION DIVISION

J. F. Griggs - 249-B GB
S. J. Reynolds - 1390-G POB

E&P/G&GL ADMINISTRATION

U. O. Cox - 1100-A POB

TREASURY

J. J. Mulva - 3 A4 PB

ENVIRONMENTAL SERVICES

B. Price-Thurman - 13 A4 PB
V. A. Walker - 12 B4 PB
D. F. Hunter - 12 B1 PB

NATURAL GAS COMPANY

M. J. Panatier - 800-A POB
C. B. Friley - 800-N POB

ASSOCIATE GENERAL COUNSEL

J. L. Williford - 1266-A AB
D. S. Zimmerman - 1260 AB

CANADA REGION

A. A. Hochstein - Calgary, Canada
E. Wiszneauskas - Calgary, Canada

GULF COAST/WESTERN REGION

J. K. Fetters - Houston
M. L. Jones - Houston
R. Wiborg - Lafayette
B. L. Jones - El Dorado

NORWAY DIVISION

M. H. McConnell - Stavanger, Norway
J. A. Landrum - Stavanger, Norway
L. A. Takla - Stavanger, Norway
D. L. Reese - Stavanger, Norway

INTERNATIONAL DIVISION

T. L. Sandridge - 1570 A1 POB
V. D. Stiggins - 1400-B POB
G. B. Heckler - 1490-C POB
J. R. Hennon - 1490-C POB
V. K. Jindal - 1490-K POB
G. W. Berk - Alexandria, Egypt
C. M. Tsang - Guanzhou, China

CORPORATE AFFAIRS

D. B. Droege - 16 D3 PB
J. D. Smith - 16 A3 PB
G. Minter - 16 A2 PB

SAFETY & LOSS PREVENTION

L. W. Dowden - 14 A4 PB
R. V. Burro - 14 A2 PB

P66CO

M. E. Dabbar - 874-B AB
D. J. Pratt - 886 AB
W. A. Wyman - 880 AB
W. E. Anderson - 1025-C AB
B. M. Wiseman - 1125-A AB

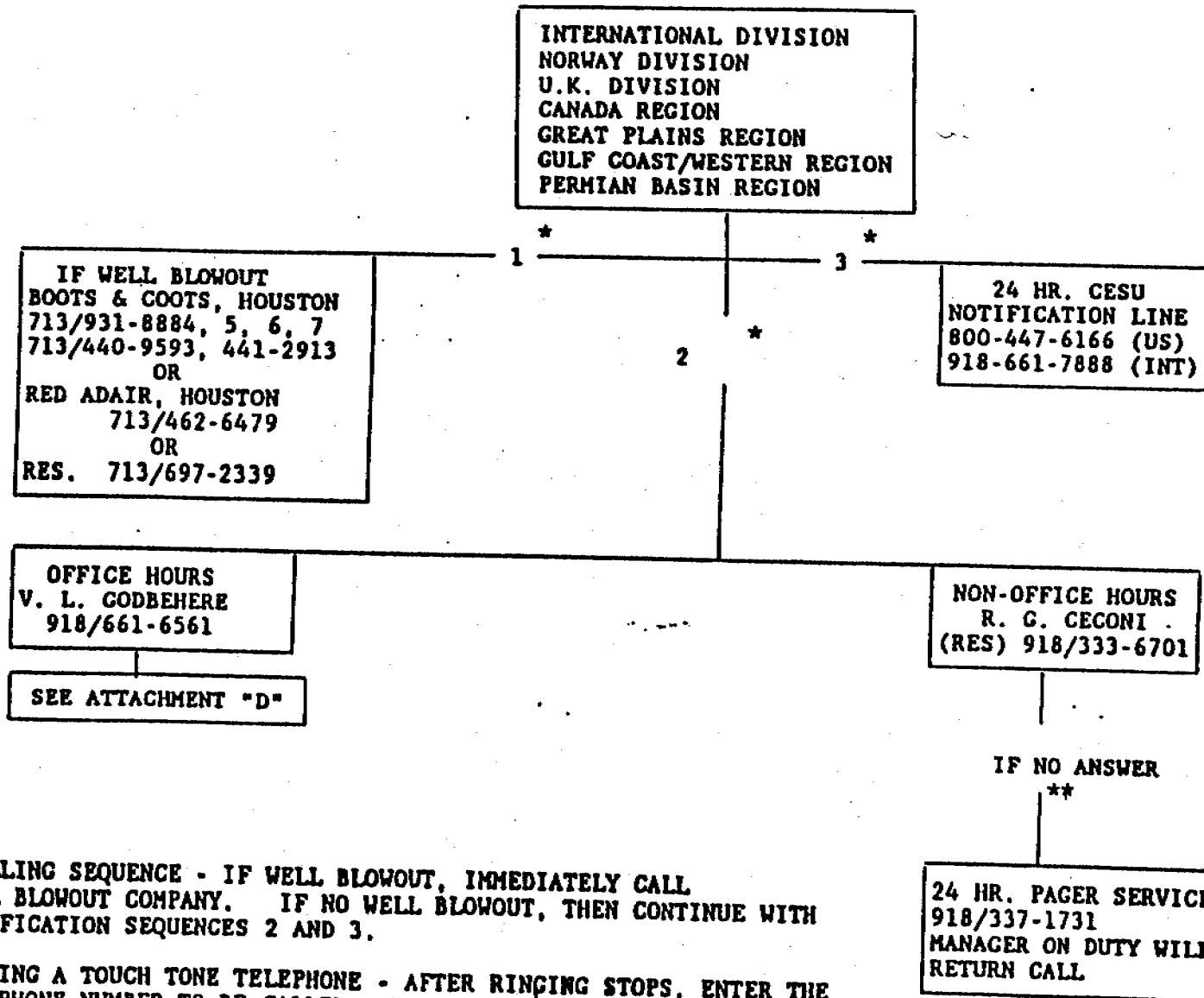
PROPERTY TAX, REAL ESTATE & CLAIMS

T. L. Mason - 546 PBA
J. A. Houston - 536 PBA
R. L. Schmalzer - 542 PBA

MEDICAL

J. V. LeBlanc, M.D. - FPTC MEDCT
P. K. Dobbins, M.D. - FPTC MEDCT

**EMERGENCY COMMUNICATION PLAN
BARTLESVILLE NOTIFICATION PROCEDURE**



- * CALLING SEQUENCE - IF WELL BLOWOUT, IMMEDIATELY CALL WELL BLOWOUT COMPANY. IF NO WELL BLOWOUT, THEN CONTINUE WITH NOTIFICATION SEQUENCES 2 AND 3.
- ** USING A TOUCH TONE TELEPHONE - AFTER RINGING STOPS, ENTER THE TELEPHONE NUMBER TO BE CALLED. INCLUDE AREA CODE/COUNTRY CODE AS APPLICABLE, THEN HANG UP RECEIVER. MANAGER ON DUTY WILL THEN RETURN CALL WITHIN A FEW MINUTES.

EMERGENCY COMMUNICATION PLAN
BARTLESVILLE STAFF CONTACTS
OFFICE HOURS NOTIFICATION

V. L. GODBEHERE
OR
SECRETARY RECEIVING CALL

CALL IN SEQUENCE UNTIL
ONE IS REACHED

ALL CALLS
R. G. CECONI
STA. 3039

1

R. G. CECONI'S
DESIGNATED ALTERNATE

2

IF U.K. OR NORWAY
S. J. REYNOLDS
STA. 1105

3

IF NA - E&P
J. L. WHITMIRE
STA. 4273

3

IF INTERNATIONAL
T. L. SANDRIDGE
STA. 3187

3

ALL CALLS
S. J. REYNOLDS
STA. 1105

4

ALL CALLS
J. F. GRIGGS
STA. 0313

5

ALL CALLS
E&P MANAGER ON
PAGER DUTY 337-1731

6

DRILLING & PRODUCTION DIV
R. C. CECOMI
661-3039, RES 333-6701
OR
V. L. GODBENE
661-6561
OR
PAGER, 337-1731
REFER TO ATTACHMENT "C"

SR. VICE PRESIDENT
W. W. ALLEN
STA. 4467
RES. 333-9117

REFER TO DESU PLAN

APPROPRIATE
VICE PRESIDENT
OR
MANAGER

NORTH AMERICA
J. L. WHITIRE
STA. 4273
RES 333-2195
OR
INTERNATIONAL
L. SANDRIDGE
STA. 3187
RES. 333-6700
OR
U.K./NORWAY
R. C. CECOMI
STA. 3039
RES. 333-6701

CORPORATE
AFFAIRS

D. B. DROEGE
STA. 6422, RES 333-5298
OR
J. D. SMITH
STA. 4902, RES 333-3870
OR
GEORGE HINTER
STA. 4907, RES 333-1416

ESP G&G ADMINISTRATION
U. D. COX
STA. 3703, RES 335-3595

SAFETY
L.W. DOLDEN
STA. 8632, RES 335-2554
R. V. BURRO
STA. 8862, RES 333-9634

IF SPILL OR
POLLUTION

B. PRICE-THURMAN
STA. 4774, RES 337-0440
V. A. WALKER
STA. 6026, RES 333-8705
D. F. MINTER
STA. 8215, RES 335-3143

IF BLOCKOUT

S. J. REYNOLDS
STA. 1105, RES 492-2405
J. F. GRIGGS
STA. 0313, RES 337-8091

IF MAJOR INTERRUPTION OF SUPPLY

NGL

W. E. ANDERSON
STA. 4520, RES 333-9058
OR
B. M. WISEMAN
STA. 4530, RES 333-1652

GAS

M. J. PANATIER
STA. 8525, RES 333-6158
OR
C. B. FRILEY
STA. 8349, RES 333-8942

CRUDE

M. E. DABBAR
STA. 4220, RES 333-4463
OR
(FOREIGN/WEST COAST-U.S.)
D. J. PRATT
STA. 4151, RES 333-9494
OR
(DOMESTIC-EXCLUDING W. COAST)
W. A. MYMAN
STA. 4141, RES 333-4116

TREASURY

J. J. MALVA
STA. 5368, RES 333-8486
OR
D. W. CASSELBERRY
STA. 6353, RES 335-3594

MEDICAL DIVISION

J. V. LEBLANC, M.D.
STA. 4845, RES 333-0136
OR
P. K. DOBBINS, M.D.
STA 3864, RES 337-0641
OR
A. P. BELMONT, M.D.
STA 0879, RES 336-5600

ASSOC GENERAL COUNSEL
MAJOR ACCIDENTS

D. S. ZIMMERMAN
STA. 4535, RES 333-4092
OR
J. L. WILLIFORD
STA. 3762, RES 333-8696

PROPERTY TAX, REAL
ESTATE & CLAIMS

T. L. MASON
STA. 5185, RES 333-4842
OR
J. A. HOUSTON
STA 5157, RES 335-1077
OR
R. L. SCHMALZER
STA. 5600, RES 333-2232

* CALLING SEQUENCE

**E&P MANAGER ON PAGER DUTY
ROSTER AND RESPONSIBILITIES**

The pager duty roster will consist of the following managers:

1. R. V. Burro
2. R. G. Ceconi
3. J. F. Griggs
4. R. K. Gupta
5. S. J. Reynolds

Each manager will be responsible for:

- Receiving calls on the pager 24 hours a day, on a one week rotation basis.
- Staying within the range of the pager service as indicated by the shaded area on the map on the following page.
- Implementing the Emergency Communications Plan as outlined on the proceeding pages.

The pager scheduled will be maintained by R. G. Ceconi. The transfer of the pager will normally take place on Mondays at 8 a.m.

EMERGENCY CONTACT PHONE LIST

NAME	LOCATION	OFFICE NUMBER	HOME NUMBER
NORTH AMERICA E&P			
Whitmire, J. L.	Bartlesville	(918) 661-4273	(918) 335-2195
Fetters, J. K.	Houston	(713) 669-3501	(713) 438-0498
Jones, M. L.	Houston	(713) 669-3762	(713) 438-0052
Wiborg, R.	Lafayette	(318) 261-0285	(318) 988-4717
Jones, B. L.	El Dorado	(501) 862-4953	(501) 862-7465
Am, K.	Odessa	(915) 367-1324	(915) 362-8661
Appel, P. D.	Odessa	(915) 367-1204	(915) 699-6508
Grillot, L. R.	Calgary	(403) 298-1266	(403) TBA
Wiszneauskas, E.	Calgary	(403) 298-1266	(403) 259-5398
Yoss, J. S.	Borger	(806) 283-3430	(806) 274-3251
Glinzmann, G. R.	Borger	(806) 283-3480	(806) 273-6269

BARTLESVILLE E&P

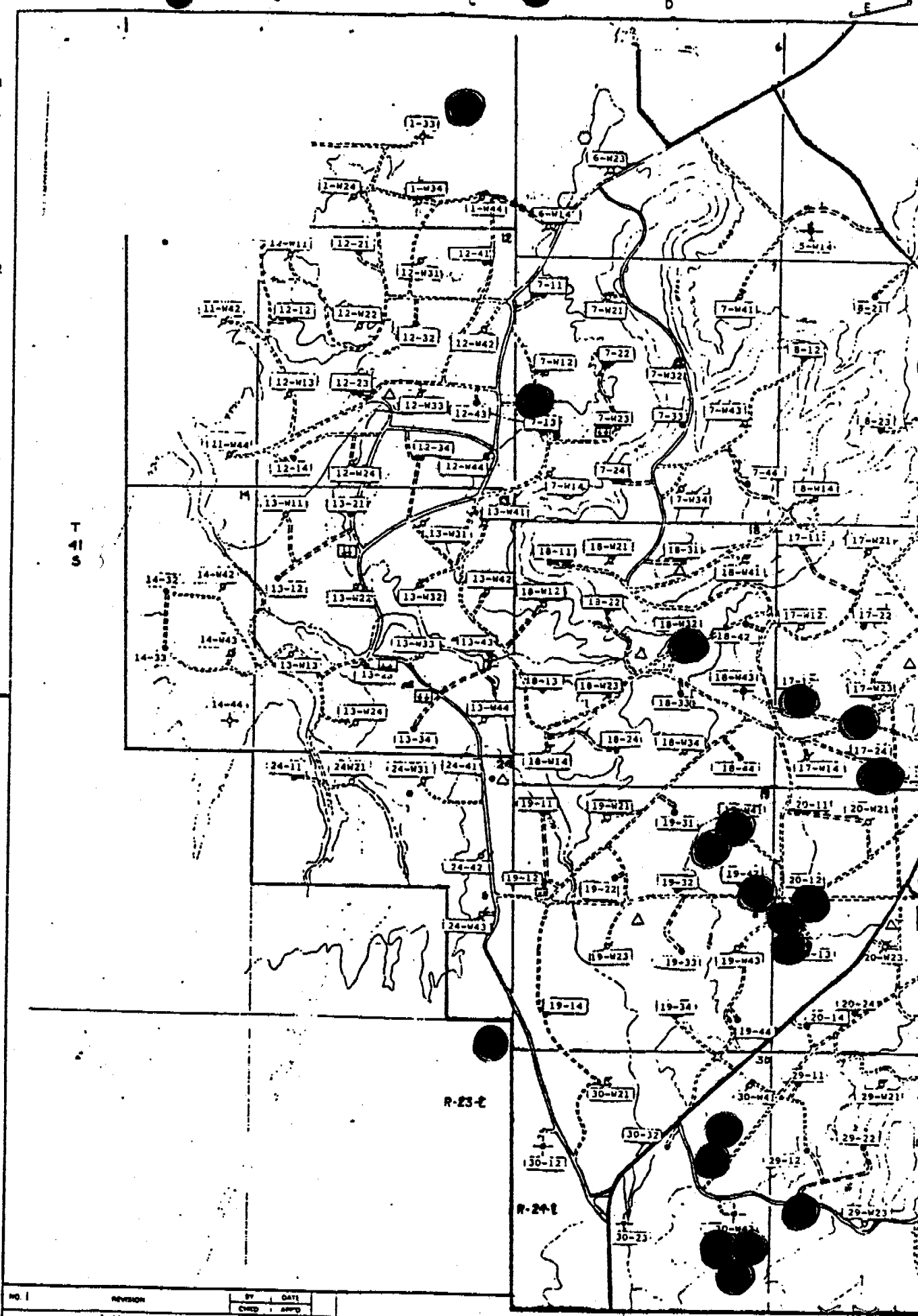
Allen, W. W.	(918) 661-4467	(918) 333-9117
Reynolds, S. J.	(918) 661-1105	(918) 492-2405
Ceconi, R. G.	(918) 661-3039	(918) 333-6701
Griggs, J. F.	(918) 661-0313	(918) 337-8091
Cox, U. O.	(918) 661-3703	(918) 335-3595
Gupta, R. K.	(918) 661-4291	(918) 333-0979

EMERGENCY CONTACT PHONE LIST

NAME	LOCATION	OFFICE NUMBER	HOME NUMBER
P66Co			
Anderson, W. E.		(918) 661-4520	(918) 333-9058
Dabbar, M. E.		(918) 661-4220	(918) 333-4463
Pratt, D. J.		(918) 661-4151	(918) 333-9494
Wiseman, B. M.		(918) 661-4530	(918) 333-1652
Wyman, W. A.		(918) 661-4141	(918) 333-4116
P66NGC			
Friley, C. B.		(918) 661-8349	(918) 333-8942
Panatier, M. J.		(918) 661-8525	(918) 333-6158
ASSOC GENERAL COUNSEL			
Williford, J. L.		(918) 661-3762	(918) 333-8696
Zimmerman, D. S.		(918) 661-4535	(918) 333-4092
CORPORATE AFFAIRS			
Droege, D. B.		(918) 661-6422	(918) 333-5298
Minter, G.		(918) 661-4987	(918) 333-1416
Smith, J. D.		(918) 661-4982	(918) 333-3870
ENVIRONMENTAL SERVICES			
Price-Thurman, B.		(918) 661-4774	(918) 337-0440
Hunter, D. F.		(918) 661-8215	(918) 335-3143
Walker, V. A.		(918) 661-6026	(918) 333-8705
SAFETY & LOSS PREVENTION			
Dowden, L. W.		(918) 661-8632	(918) 335-2554
Burro, R. V.		(918) 661-8862	(918) 333-9634
MEDICAL DIVISION			
Belmont, A. P., M.D.		(918) 661-0879	(918) 335-3108
Dobbins, P. K., M.D.		(918) 661-3864	(918) 337-0641
LeBlanc, J. V., M.D.		(918) 661-4845	(918) 333-0136
PROPERTY TAX, REAL ESTATE & CLAIMS			
Houston, J. A.		(918) 661-5157	(918) 335-1077
Mason, T. L.		(918) 661-5185	(918) 333-4842
Schmalzer, R. L.		(918) 661-5680	(918) 333-2232
TREASURY			
Casselberry, D. W.		(918) 661-6353	(918) 335-3594

RESIDENTS

AREA RESIDENTS



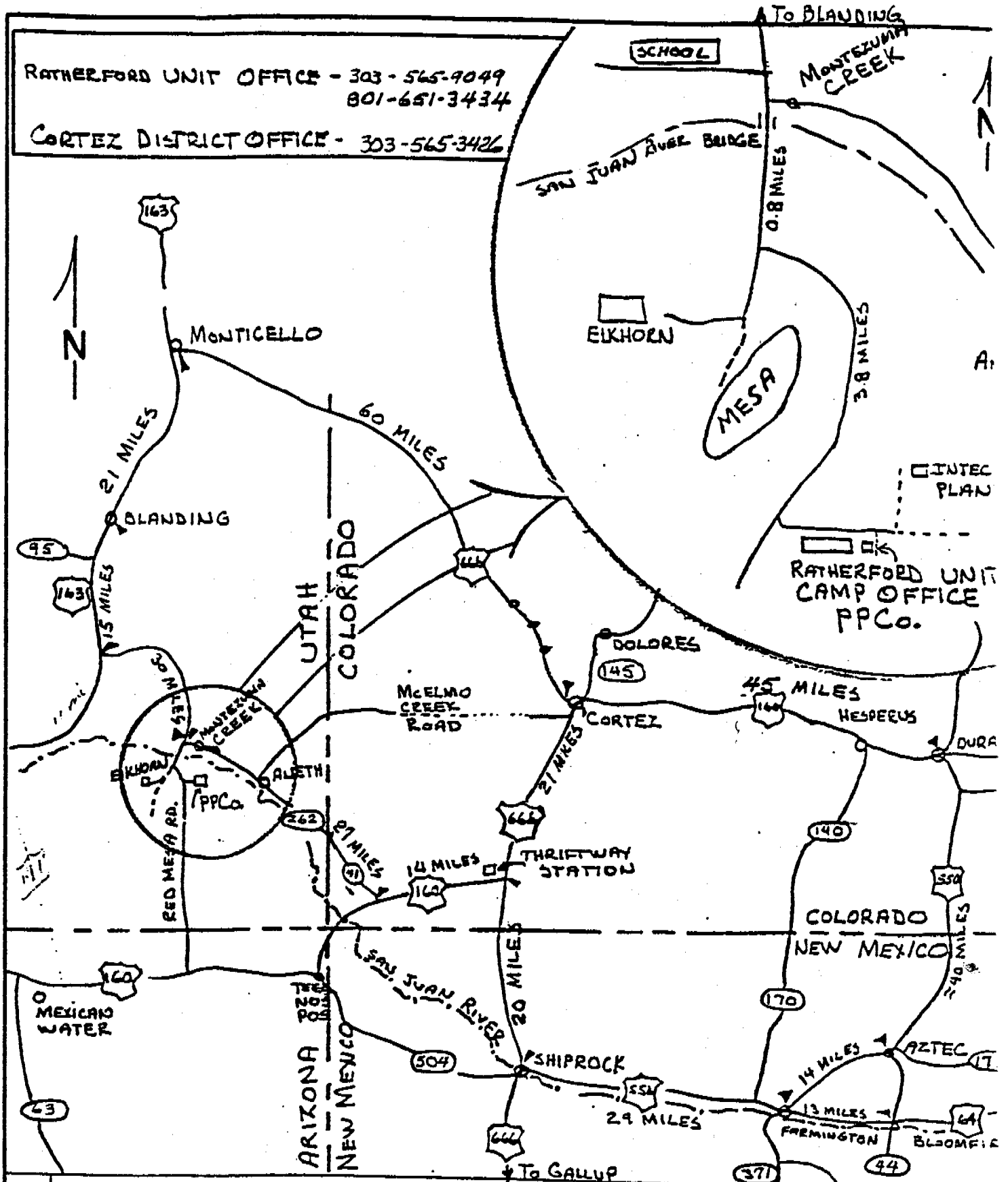
NO.	REVISION	BY		DATE	
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RATHERFORD UNIT - EAST SIDE - RESIDENTS

<u>NAME</u>	<u>PHONE</u>	<u>NO. of MBRS.</u>
1. Kee Silas		
2. Woody Sam		
3. Samuel Dee		
4. Isabelle Sam		
5. Marion Vazzie		
Tommy Dee		
6. Larry Sam		
7. Linda Begay		
8. Thomas Nakai		
9. Leo Sam		
10. Jimmy Holly		
11. Pat Banally		
12. Tom Lee		
13. Evans Holly, Sr.		
Allen Holly		
14. Kenneth Joe		
15. Mary Ahtsosie		
Thomas Holly		
16. Earl Ahtsosie		
17. Wilfred Jones		
18. Johnson Begay		
19. Ada Holly		
20. Stanley Sam		
Mae Banally		
21. Wallace Ashley		

* Indicates household needing special assistance in evacuation.

AREA MAP



NO.	REVISION	BY	DATE	CHKD	APP
FOR BIDS	PHILLIPS PETROLEUM COMPANY BARTLESVILLE, OKLAHOMA				
FOR APPR					
FOR CONST					
		JA NO.		FILE CC	
		APE NO.		SCALE NONE	

ROAD MAP

SECTION II

PROCEDURES

OPERATING CONDITIONS

Operating conditions when drilling in H₂S areas are defined in three categories. A description of each of these conditions and the required action to take are given below.

A. GREEN FLAG

NORMAL CONDITIONS

Drilling Operations Under Control

Alarm:

None

Characterized By:

Normal drilling operations near zones which contain or may contain H₂S or SO₂

Probable Occurrence:

No surface indications

General Action:

- (1) Know location of safety equipment
- (2) Check safety equipment for proper functioning. Keep it available.
- (3) Be alert for a condition change.
- (4) Follow instructions of supervisor.

B. YELLOW FLAG

CAUTIOUS OPERATING CONDITIONS

In Zone, No Surface Indications of Hydrogen Sulfide

Alarm:

None

Characterized By:

Cautious drilling operations in zones which contain or may contain hydrogen sulfide.

Probable Occurrence:

- (1) As drill gas.
- (2) As trip gas when circulating bottoms up
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out.
- (5) Surface pressure, well flow, or lost return problems.

B. YELLOW FLAG: (continued)

General Action:

- (1) Be alert for an alarm.
- (2) Take precautions before entering hazardous areas.
- (3) Put on breathing equipment if instructed to do so.
- (4) Be prepared for emergency rescue actions.

C. RED FLAG

The Red Flag is the alarm condition and begins with detection of Hydrogen Sulfide at the surface. The condition is divided into two levels: Low Alarm and High Alarm. The level depends upon the concentration of hydrogen sulfide detected.

LOW ALARM:

POTENTIAL TO MODERATE DANGER TO LIFE - H₂S Present in Concentrations of 10-20 ppm.

Alarm:

Flashing yellow light and low siren.

Characterized By:

H₂S presenting concentrations below 20 ppm.

Probable Occurrence:

- (1) As drill gas.
- (2) As trip gas when circulating bottoms up.
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out.
- (5) Surface pressure, well flow, or lost return problems.

General Action:

- (1) Flow instructions of supervisor.
- (2) Put on breathing equipment if
- (3) Stay in safe briefing area if so instructed and not working to correct the problem.

C. RED FLAG - continued

HIGH ALARM:

MODERATE TO EXTREME DANGER TO LIFE-
H2S Present in Concentrations above
20 ppm.

Alarm:

Flashing red light and continuous
blast on horn at 20 ppm H2S. In
the event of an uncontrolled flow,
the siren will be sounded.

Characterized By:

Critical well operations, well
control problems. In the extreme,
loss of well control. H2S present
in concentrations above 20 ppm.

Probable Occurrence:

- (1) As drill gas.
- (2) As trip gas when circulating bottoms up.
- (3) When a core barrel is pulled.
- (4) When a well kick is circulated out.
- (5) Surface pressure, well flow, or lost return problems.

General Action:

- (1) Put on breathing equipment. Move to safe briefing area and remain there if not working to correct or control problems.
- (2) Follow instructions of Drilling Foreman or other supervisor.
- (3) The Drilling Foreman will initiate emergency action as provided in the Contingency Plan and as appropriate to the actual conditions.
- (4) The Drilling Foreman will ignite the well if deemed necessary as outlined titled, "Igniting the Well". The Drilling Foreman will conduct any necessary operations with an absolute minimum of personnel. All persons in the immediate hazard area will wear a self-contained breathing apparatus. All other personnel will restrict their movements to those directed by the Drilling Foreman.

- (5) If the well is ignited, the burning hydrogen sulfide will be converted to sulfur dioxide, which is poisonous. Therefore, DO NOT ASSUME THAT THE AREA IS SAFE AFTER THE GAS IS IGNITED. CONTINUED TO OBSERVE EMERGENCY PROCEDURES AND FOLLOW THE INSTRUCTIONS OF THE DRILLING FOREMAN.

A large sign explaining the three conditions and announcing the condition that presently exists will be posted at each entrance to the location.

RESPONSIBILITIES

AND

DUTIES

RESPONSIBILITIES AND DUTIES

ALL PERSONNEL

It is the responsibility of all personnel on the Phillips Petroleum Company location to familiarize themselves with the procedure outlined in this plan.

Each person will attend to his/her own safety first.

Each person is responsible for helping someone who is injured or overcome by toxic gases. Remember to put breathing equipment on before helping anyone overcome by H₂S. Then remove him to a safe area and administer oxygen.

Report to the "SAFE BRIEFING AREA" and follow instructions of the Drilling Foreman.

DRILLING FOREMAN

The Drilling Foreman will:

- (1) Have complete charge of the rig operations during an emergency.
- (2) Take whatever action is necessary to ensure the safety of personnel, to protect the well, and to prevent property damage.
- (3) See that all personnel comply with safety and emergency procedures.
- (4) Inform the Drilling Superintendent of all events relating to this Contingency Plan as they occur.
- (5) Advise each contractor, service company, and all others entering the site of the hazards that may exist.
- (6) Authorize the evacuation of local residents if hydrogen sulfide threatens their safety.
- (7) Keep the number of persons on location to a minimum during hazardous operations.
- (8) Designate "SAFE BRIEFING AREAS".
- (9) Assess the situation when an alarm sounds and issue work orders; or when conditions warrant, order all personnel to "SAFE BRIEFING AREAS".
- (10) Direct corrective actions to control flow of gas.
- (11) Have full responsibility for the decision to ignite the well. The decision will be made only as a last resort.

RESPONSIBILITIES AND DUTIES (continued)

DRILLING CONTRACTOR

The Tool Pusher will:

- (1) Assume all emergency responsibilities of the Drilling Foreman if the Drilling Foreman is absent or incapacitated.
- (2) Order the Driller to secure the rig if time permits.
- (3) Perform any other duties as assigned by the Drilling Foreman.

SAFETY REPRESENTATIVE

In the absence of the Tool Pusher and Drilling Company Foremen, the Safety Representative will act as agent for Phillips Petroleum Company and assume their responsibility on behalf of Phillips Petroleum Company.

The Safety Representative will:
(Each Day):

- (1) Log arrivals and conduct training to ensure that all personnel are familiar with the contingency procedures and the operation of emergency equipment.
- (2) Check pressure on all SCBA air bottles to make sure that they are charged to full volume.
- (3) Check pressure on cascade air bottles to see that they are capable of recharging SCBA.
- (4) Check H2S safety equipment for availability.
- (5) Check H2S detectors to ensure they are working properly.
- (6) Maintain daily contact with the Drilling Foreman reporting on the condition, maintenance and readiness of the H2S safety equipment and on drills and/or training for that day.
- (7) Provide monitoring at all times after penetration of possible H2S bearing zones. This shall include rig-down of drilling equipment and rig-up of any completion and testing equipment.

RESPONSIBILITIES AND DUTIES - continued

(Each Week):

- (8) Check the following equipment to ensure that it is ready for emergency use:
- a. Respiratory Equipment.
 - b. Resuscitators.
 - c. Explosimeters.
 - d. Gastechs.
 - e. Portable electronic H₂S detector.
 - f. H₂S storage box items (i.e., Gastech tubes, etc.)

TEMPORARY SERVICE PERSONNEL

All service personnel, such as cementing crews, logging crews, specialists, mechanics, and welders, will furnish their own safety equipment as required to comply with OSHA regulations and the Drilling Foreman instructions.

VISITORS

1. When hydrogen sulfide might be encountered, visitors will not be permitted on location unless accompanied by the Drilling Foreman.
2. ~~Visitors and non-essential~~ personnel will not be allowed in an area where the hydrogen sulfide concentration in the atmosphere exceeds 10 ppm.

NOTE: WHEN HYDROGEN SULFIDE MIGHT BE ENCOUNTERED, NO PERSONNEL ON LOCATION WILL BE PERMITTED TO SLEEP IN VEHICLES.

IGNITING

THE

WELL

IGNITING THE WELL

RESPONSIBILITY

THE DECISION TO IGNITE THE WELL IS THE RESPONSIBILITY OF THE DRILLING FOREMAN. If he becomes incapacitated the Tool Pusher will assume responsibility; if he too is incapacitated, then the Safety Representative shall have the responsibility, acting as an agent for Phillips Petroleum Company.

1. The decision to ignite the well should be made only as a last resort and in a situation where it is clear that:
 - a. Human life and property are endangered.
 - b. There is no hope of controlling the blowout under the conditions prevailing at the well.
2. In all cases to the extent that time permits, every effort will be made to contact the Drilling Superintendent and secure his approval before igniting the well. However, such action is not to be delayed if human life is in danger.

INSTRUCTIONS FOR IGNITING THE WELL

1. Two persons are required for the actual igniting operation. Both men will wear self-contained breathing units and will have retrieval safety ropes attached. One man is responsible for checking the atmosphere for explosive gases, with an Explosimeter if available. The other man is responsible for igniting the well.
2. The primary method of igniting the well is a 25 mm flare gun with range of approximately 500 feet.
3. Always ignite the well from upwind, and do not approach any nearer to the well than is necessary.
4. Select a location that is clear and open for a hasty retreat, and which provides protection for the ignition team.
5. Before firing the flare gun, check the atmosphere at the location for any combustible gases.
6. With the well ignited, remember that burned hydrogen sulfide is converted to sulfide dioxide, which is also toxic and poisonous. Do not assume the area is safe when the gas is being burned.

IGNITING THE WELL - continued

7. After gas has been ignited, continue to observe the emergency action and procedures as before. Continue to follow the instructions of the Drilling Foreman.
8. All unassigned personnel will limit their actions to those ordered by the Drilling Foreman.

REMEMBER: AFTER THE WELL IS IGNITED, BURNING H₂S WILL CONVERT TO SO₂, WHICH IS ALSO HIGHLY TOXIC - DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

EVACUATION

EVACUATION PROCEDURES

In the event of an accidental release of a potentially hazardous volume of H₂S the following steps will be taken:

1. Contact by the quickest means of communications the offices of Phillips Petroleum Company as listed under Rutherford Unit - Emergency Phone Contact List in Section 1 of this Plan.
2. Assign a crew member to blockade the entrance to the location. No unauthorized personnel will be allowed entry into the location.
3. The operator's on-site representative will remain on location and attempt to regain control of the well.
4. The Phillips Petroleum Company Drilling Foreman will begin evacuation of those persons in immediate danger. He will begin by telephoning residents in the danger area.

In the event of no contact by telephoning, the tool pusher will proceed at once to each dwelling for a person-to-person contact. In the event the tool pusher cannot leave the location, he will assign a responsible crew member to proceed in the evacuation of local residents. Upon arrival, the Sheriff's Department and EnviroSafe's personnel will aid in further evacuation.

5. The Phillips Petroleum Company Drilling Foreman will assign a Phillips Petroleum Company employee the duty of providing appropriate care for evacuated families.

FIELD OPERATING PROCEDURES RIG-UP OF DRILLING OPERATIONS

The following procedures will be adhered to by the Contractor responsible for the rig-up of safety equipment on the drilling rig location:

GENERAL:

1. Check the trailer before you leave the shop and make sure that all of the equipment is present.
2. Check for prevailing winds upon your arrival on location.
3. Check with the Company Representative or Tool Pusher for specific instructions on Placement of safety equipment.
4. Equipment is to be rigged up neatly and should be placed in the proper place.

PROTECTIVE BREATHING APPARATUS:

1. Shall be placed within one breath of heavy works area.
2. Rescue units and refill hoses shall be stationed at each briefing area.
3. Escape units shall be placed in the following areas: the Rig Floor, The Mud Tanks, and The Derrick.
4. Breathing units will be provided for each person remaining on location on a regular basis.

BRIEFING AREAS:

1. There will be at least two (2) Briefing Areas set at a 90 degree to 180 degree angle in direct relationship to each other with the wellhead as the directional point.
2. They are to be placed up-wind from the prevailing winds and frontal winds.
3. The briefing areas are to be placed 150' to 200' from wellhead.
4. The primary briefing area (safety trailer) shall contain the following equipment:

Fire Extinguisher	First Aid Kit
Gastech & Tubes	Rescue Unit
Resuscitator	Breathing Air Compressor
Filler Hose	Flare with Shells
6 - 300 cu. ft. Breathing Air	

FIELD OPERATING PROCEDURES - DRILLING

BRIEFING AREA: (continued)

5. Briefing Area #2 will provide a secondary gathering location with the following equipment:

Six Bottles of Breathing Air, Rescue Unit, and Filler Hose

WINDSOCKS:

1. A wind directional indicator (flag) is to be placed at the entrance to location.
2. Windssocks are to be placed throughout location so that no area is without wind directional indicators; and should be placed as follows:
 - (1) DERRICKSTAND OR SAFETY TRAILER
 - (2) BRIEFING AREA #2 RACK
 - (3) RIG FLOOR (if possible)

ELECTRONIC DETECTION SYSTEM:

1. A monitor requires a one hour warm up to show any sign of malfunctions; this requires the electronic monitoring system to be rigged up first.
2. A monitor shall be located in an area most conducive to personnel monitoring. (example: The Doghouse).
3. Monitor sensor heads will be placed wherever poisonous gas may be encountered. The most common set-up is as follows:
 - (1) Rig Floor
 - (2) Shale Shaker
 - (3) Cellar

SIGNS:

1. A well condition sign is to be placed at entrance to location.
2. There should be (3) signs set up on location, which include:
 - (1) NO SMOKING
 - (2) DANGER - POISONOUS GAS
 - (3) AUTHORIZED PERSONNEL ONLY

FIELD OPERATING PROCEDURES - DRILLING

EQUIPMENT MAINTENANCE CHECKS:

1. Equipment will be serviced for the following reasons:
 - (1) Operational Functions
 - (2) Cleanliness
2. Equipment checks will be verified by the signing of the inspection card. This card is inside the breathing unit.
3. Inspection cards are to be signed and the site inspection report filled out on location before you return to the shop.
4. All site inspection reports are to be signed by someone on location.
5. Equipment is to be checked at least once a week and before each Drill Stem Test or Core.

TRAINING:

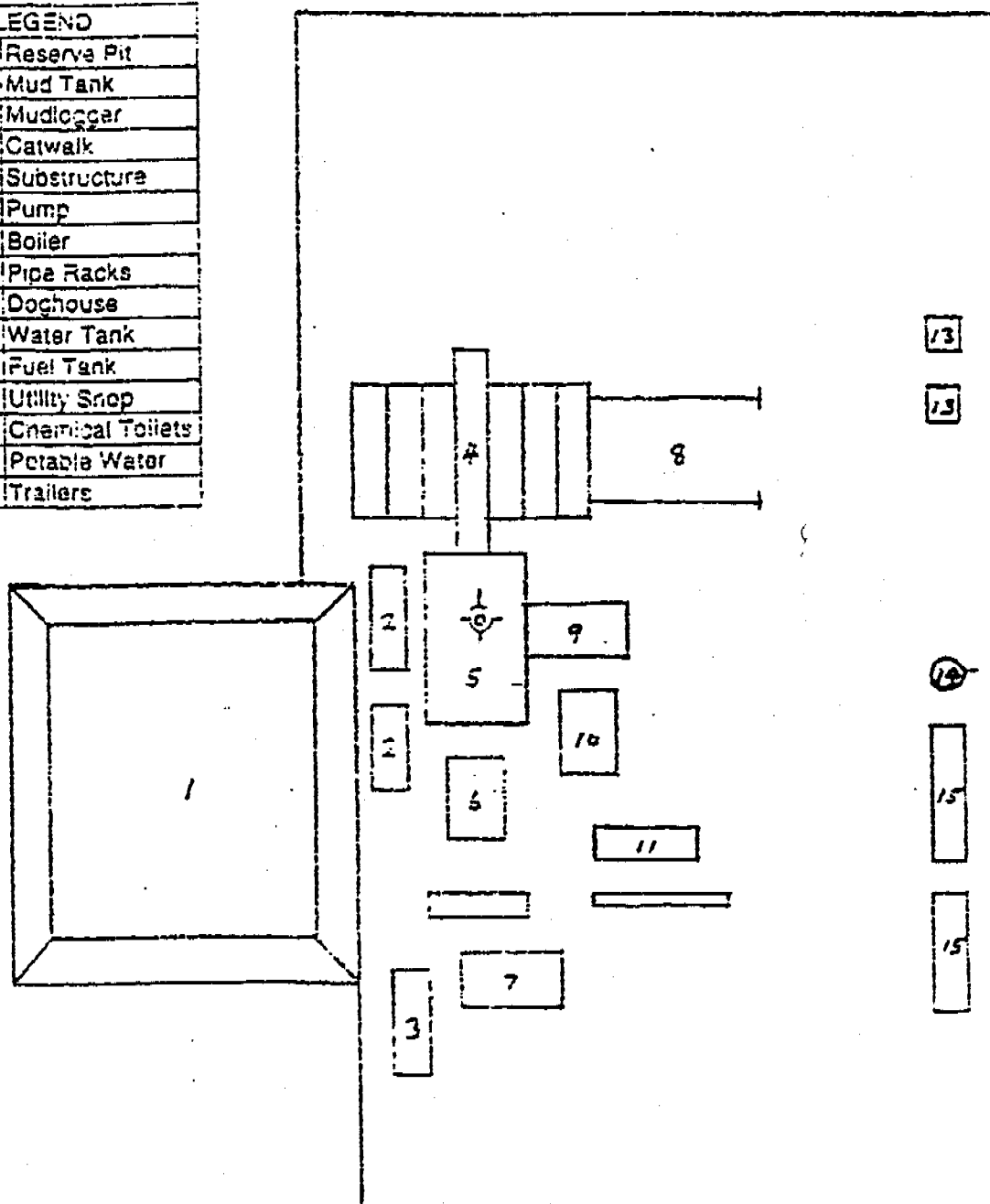
1. Training arrangements for wellsite personnel are to be made at the time of the rig-up. Train crews that are available during the time of the rig-up; and bring back a time scheduled for the other crews that need to be trained.

DRILLS:

1. After reaching anticipated H₂S zone, drills will be performed at least weekly.

EQUIPMENT MAP

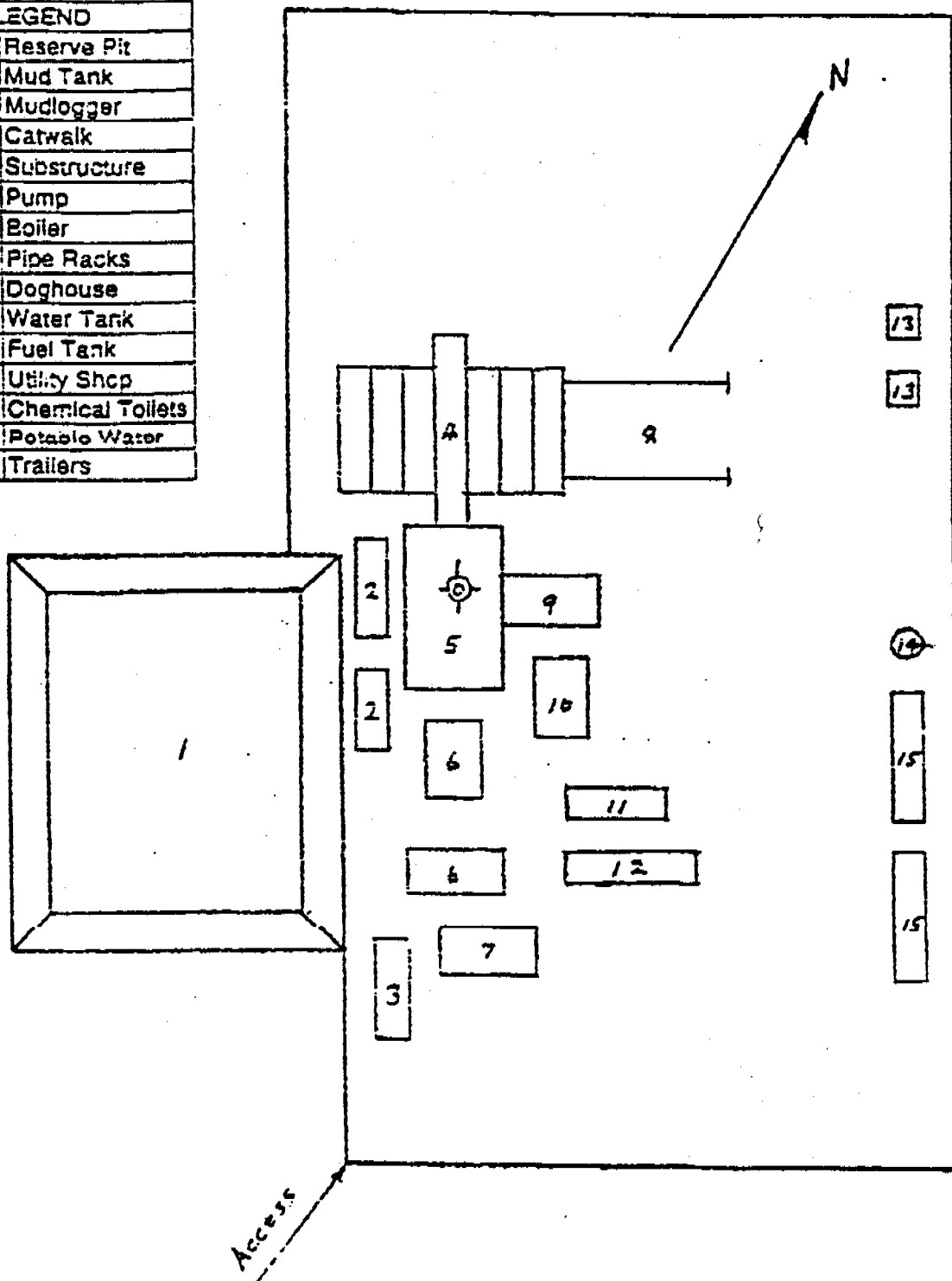
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



Rathertord Unit 13-14
San Juan County, Utah
Location Layout

Overall Size: 285' x 350'

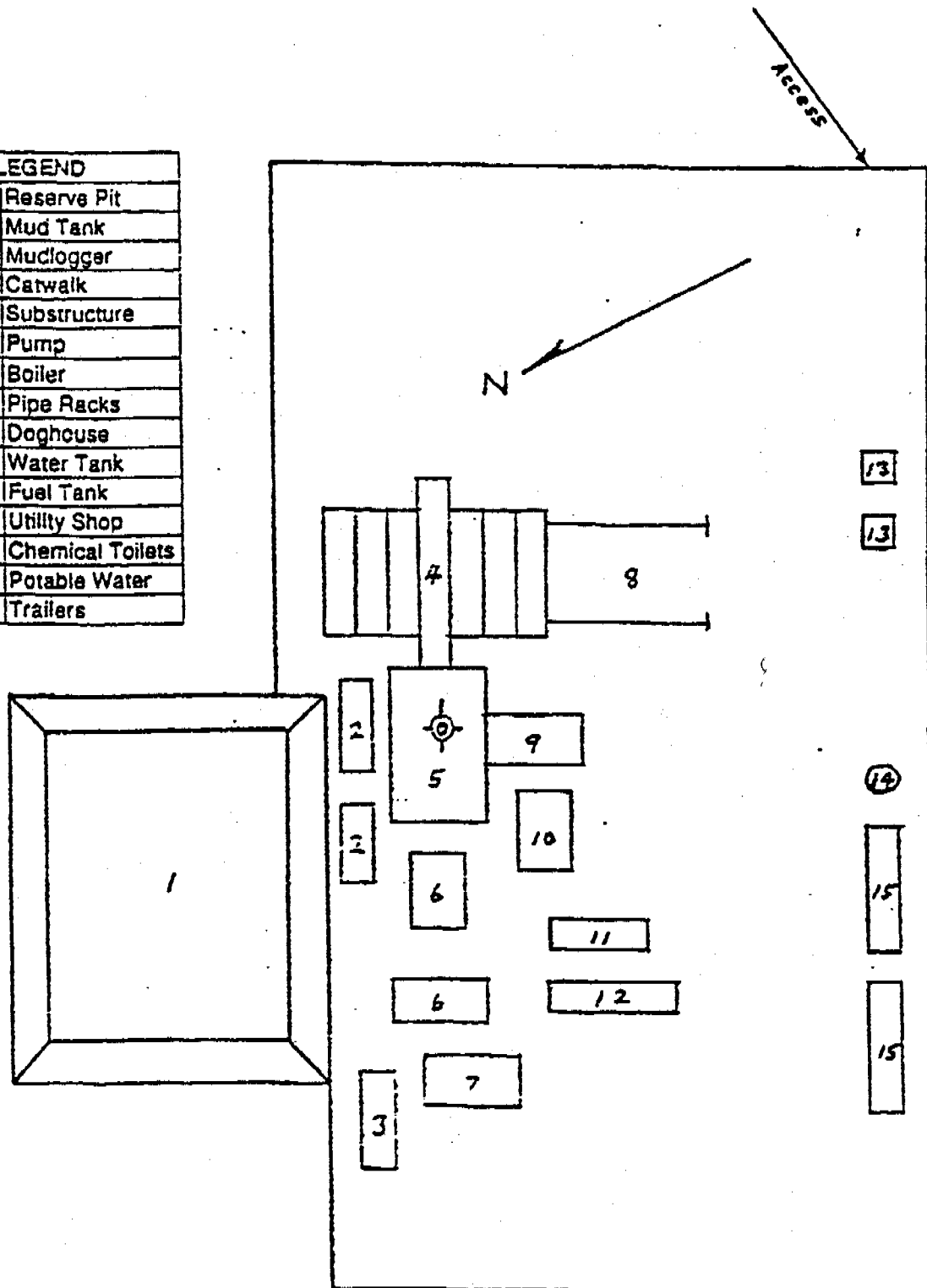
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



Rutherford Unit 24 32
San Juan County, Utah
Location Layout

(Overall Size: 285' x 350')

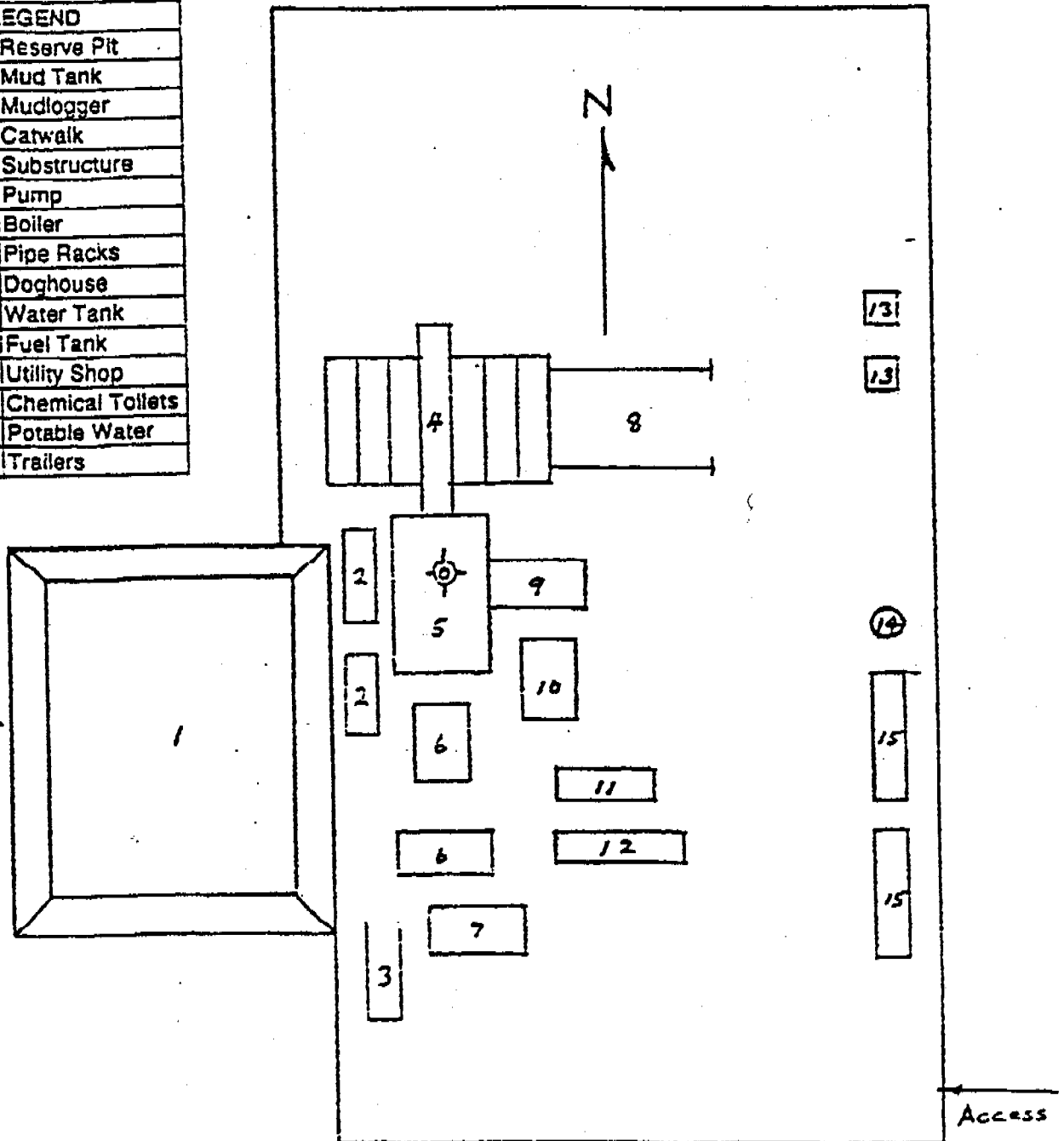
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



**Ratherford Unit 19-97
San Juan County, Utah
Location Layout**

(Overall Size: 285' x 350')

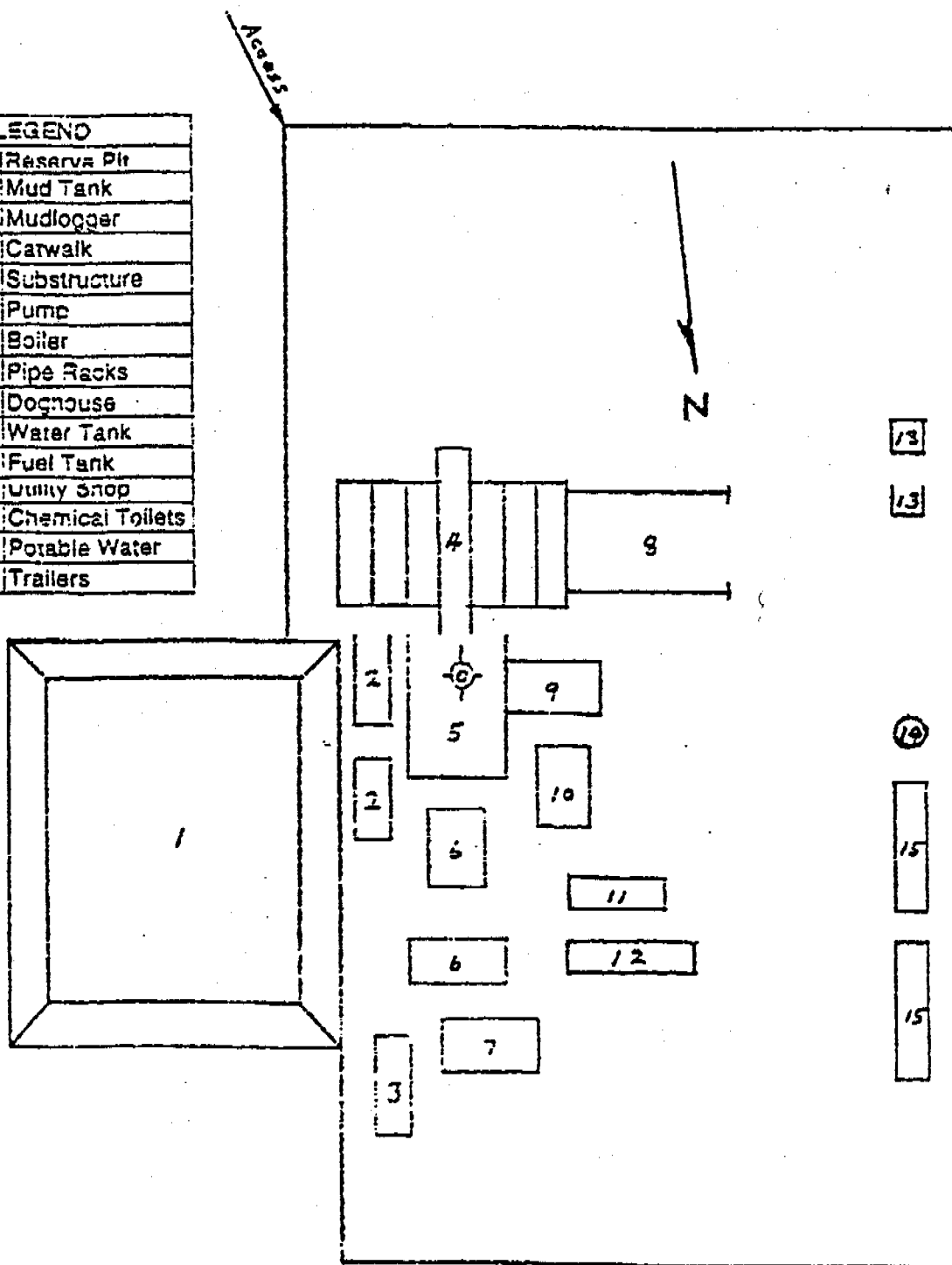
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



Ratherford Unit 20-86
San Juan County, Utah
Location Layout

(Overall Size: 285' x 350')

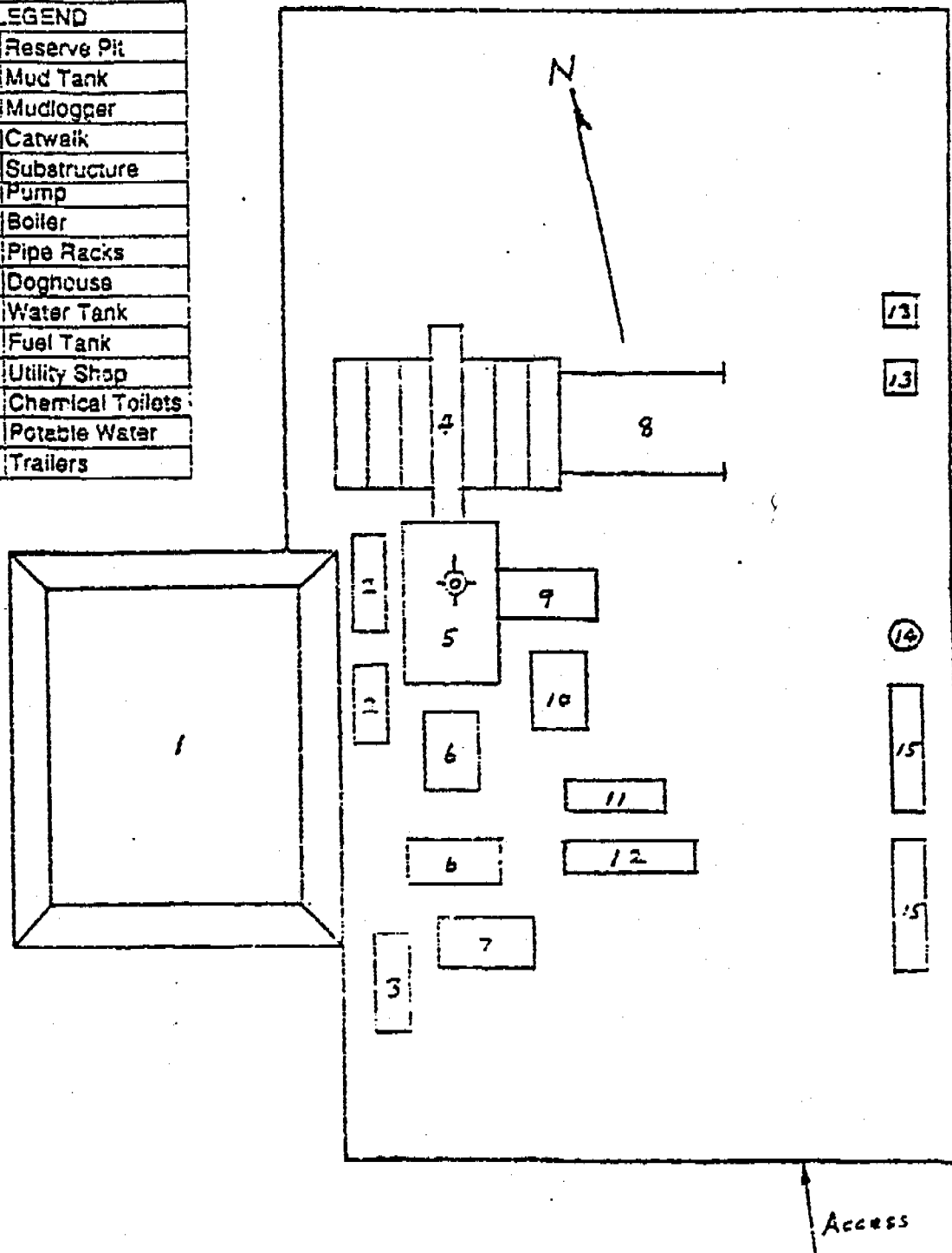
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



Ratharford Unit 20-67
San Juan County, Utah
Location Layout

(Overall size: 285' X 350')

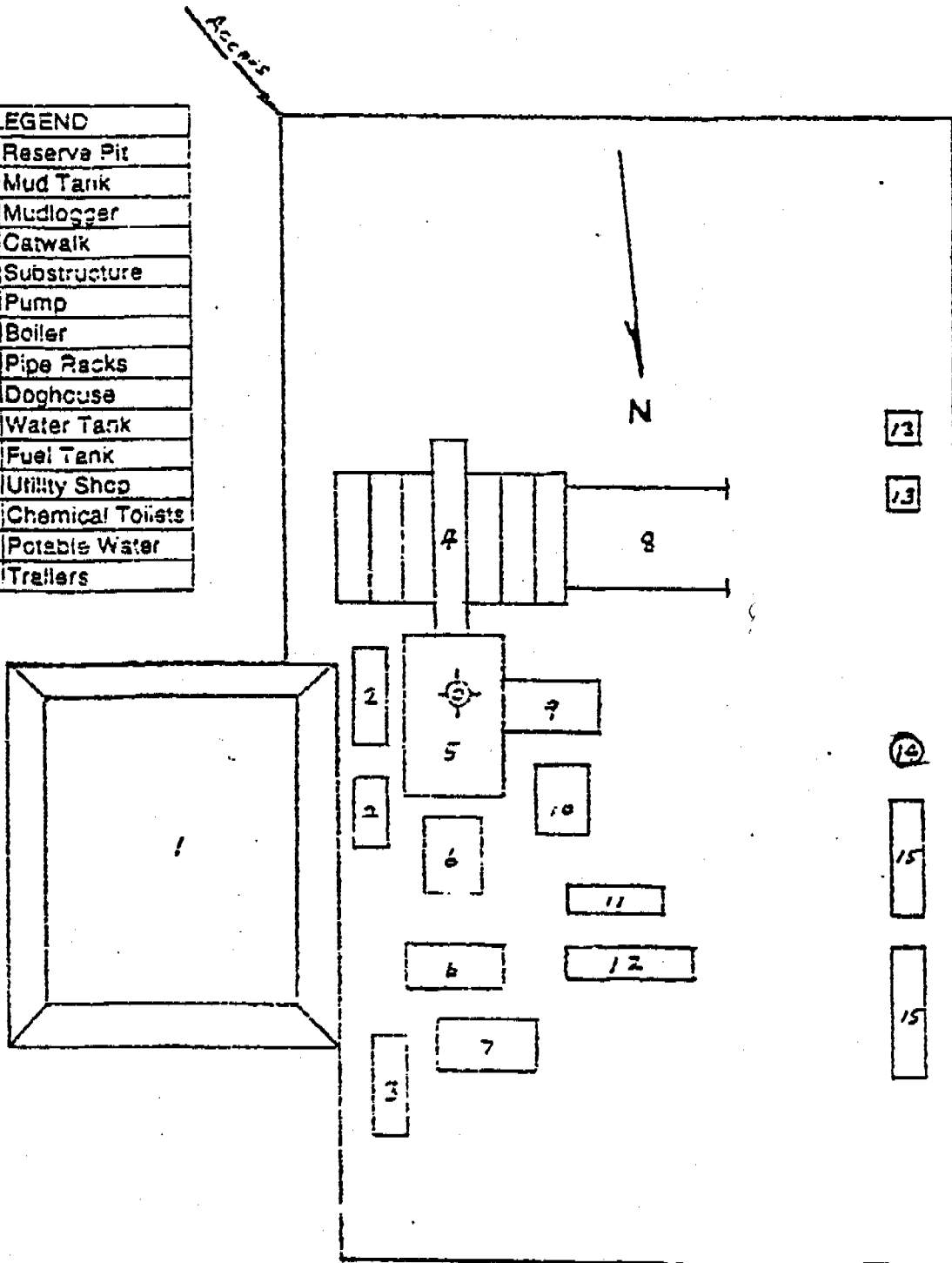
LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Toilets
14	Potable Water
15	Trailers



Ratherford Unit 20-68
San Juan County, Utah
Location Layout

(Overall Size: 285' x 350')

LEGEND	
1	Reserve Pit
2	Mud Tank
3	Mudlogger
4	Catwalk
5	Substructure
6	Pump
7	Boiler
8	Pipe Racks
9	Doghhouse
10	Water Tank
11	Fuel Tank
12	Utility Shop
13	Chemical Tanks
14	Potable Water
15	Trailers



**FIELD OPERATING PROCEDURES
RIG-UP OF WORK-OVER/COMPLETION OPERATIONS**

The following procedures will be adhered to by the Contractor responsible for the rig-up of safety equipment on a work-over or completion operation:

GENERAL:

1. Check the trailer before you leave the shop and make sure that all of the equipment is present.
2. Check for prevailing winds upon your arrival on location.
3. Check with the Company Representative or Operator for specific instructions on placement of safety equipment.
4. Equipment is to be rigged up neatly and should be placed in the proper place.

PROTECTIVE BREATHING APPARATUS:

1. Escape units with 50' air hose shall be placed in the following areas: Operator's stand, derrick, pumps (if present), and any tanks present on location.
2. Rescue units shall be placed at each guideline anchor, doghouse, and briefing areas.
3. Breathing units will be provided for each person remaining on location on a regular basis.

BRIEFING AREAS:

1. There will be at least two (2) Briefing Areas set at a 90 degree to 180 degree angle in direct relationship to each other with the wellhead as the directional point.
2. They are to be placed up-wind from the prevailing winds and frontal winds.
3. The briefing areas are to be placed 150' to 200' from wellhead.
4. The primary briefing area (safety trailer) shall contain the following equipment:

Fire Extinguisher
Gastech & Tubes
Resuscitator
Filler Hose

First Aid Kit
Rescue Unit
Breathing Air Compressor

6 - 300 cu. ft. Breathing Air

FIELD OPERATING PROCEDURES - WORK-OVER/COMPLETION - continued

WINDSOCKS:

1. A wind directional indicator (flag) is to be placed at the entrance to location.
2. Windsocks are to be placed throughout location so that no area is without wind directional indicators; and should be placed as follows:
 - (1) SAFETY TRAILER
 - (2) BRIEFING AREA #2 RACK
 - (3) FRONT OF WORK-OVER RIG

SIGNS:

1. A well condition sign is to be placed at entrance to location.
2. There should be (3) signs set up on location, which include:
 - (1) NO SMOKING
 - (2) DANGER - POISONOUS GAS
 - (3) AUTHORIZED PERSONNEL ONLY

INSPECTION CARDS:

1. Are to be signed, and site inspection reports filled out on location before you return to the shop.

TRAINING:

1. Training of all wellsite personnel is to be done at the time of rig-up.

SPECIAL OPERATIONS

SPECIAL OPERATIONS

CORING OPERATIONS IN H₂S BEARING ZONES

1. Personnel protective breathing apparatus should be worn from 10 to 20 stands in advance of retrieving the core barrel. Cores to be transported should be sealed and marked for the presence of H₂S.
 - a. Yellow caution flag will be flown at the well condition sign.
 - b. The No Smoking rule will be enforced.

DRILL STEM TESTING

1. Drill Stem Testing of Hydrogen Sulfide zones will be permitted in daylight hours only.
2. All non-essential personnel will be moved to a "Safe Briefing Area".
3. Put on air mask before formation fluids are expected at the surface and continue "MASK ON" until flares are lighted and work areas test no more than 10 ppm Hydrogen Sulfide and the area has been declared safe.
4. If warranted, the use of Ammonia Hydroxide, (26 Degree Beaume' Aqua Ammonia) for neutralizing the toxicity of Hydrogen Sulfide from drill string.
 - a. During drill stem tests, adequate Filming Amine for H₂S corrosion and Aqua Ammonia for neutralizing H₂S will be on location.
5. The DST subsurface equipment will be suitable for H₂S service as recommended by the American Petroleum Institute.
6. The No Smoking rule will be enforced.
7. DST fluids will be circulated through a separator to permit flaring of gas. A continuous pilot light will be used.
8. A yellow or red flag will be flown at entrance to location depending on present on present gas conditions.

ADDITIONAL INFORMATION

ADDITIONAL INFORMATION

HYDROGEN SULFIDE

A deadly enemy of those people employed in the petroleum industry, this gas can paralyze or kill quickly. At least part of the answer lies in education in the hazards, symptoms, use of personal protective equipment.

Hydrogen Sulfide Hazards

The principle hazard to personnel is asphyxiation or poisoning by inhalation. Hydrogen Sulfide is a colorless, flammable gas having an offensive odor and sweetish taste. It is highly toxic and doubly hazardous because it is heavier than air (specific = 1.19). Its offensive odor, like that of a rotten egg, has been used as an indicator by many old timers in the oil fields, but is not a reliable warning of the presence of gas in a dangerous concentration because people differ greatly in their ability to detect smells. Where high concentrations are encountered, the olfactory nerves are rapidly paralyzed, deluding the sense of smell as a warning indicator. A concentration of a few hundredths of one percent higher than that causing irritation, can cause asphyxia and death - in other words, there is a very narrow margin between consciousness and unconsciousness, and between unconsciousness and death.

Physiological Symptoms

Acute: Results in almost instantaneous asphyxia, with seeming respiratory paralysis. Acute poisoning or strangulation, may occur after even a few seconds inhalation or high concentrations and results in panting respiration, pallor, cramps, paralysis and almost immediate loss of consciousness with loss of speech, and no other warning than a cry. Death may follow with extreme rapidity from respiratory and cardiac paralysis. One breath of a sufficiently high concentration may have this result.

Subacute: Results in irritation, principally of the eyes, persistent cough, tightening or burning in the chest and skin irritation followed by depression of the central nervous system. The eye irritation ranges in severity from mild conjunctivitis to swelling and bulging of the conjunctiva, photophobia (abnormal intolerance of light) and temporary blindness.

Treatment

1. Victim should be removed to fresh air immediately by rescuers wearing respiratory protective equipment. Protect yourself while rescuing.
2. If the victim is not breathing, begin immediately to apply artificial respiration. If a resuscitator is available, let another employee get it and prepare for use.
3. Treat for shock, keep victim warm and comfortable.
4. Call a doctor. In all cases, victims of poisoning should be attended by a physician.

Characteristics

1. Extremely toxic.
2. Heavier than air. Specific gravity = 1.19.
3. Colorless, has odor of rotten eggs.
4. Burns with a blue flame and produces Sulfur Dioxide (SO₂) gas, which is very irritating to eyes and lungs. The SO₂ is also toxic and can cause serious injury.
5. H₂S forms explosive mixture, with air between 4.3% and 46% by volume.
6. H₂S is almost as toxic as hydrogen cyanide.
7. Between 5 and 6 times as toxic as carbon monoxide.
8. Produces irritation to eyes, throat and respiratory tract.
9. Threshold Limit Value (TLV) maximum of eight hours exposure without protective respiratory equipment - 10 ppm.

Safe Practices

If you are faced with an H₂S problem in your operations, the following safe practices are recommended.

1. Be absolute sure all concerned are familiar with the hazards concerning H₂S and how to avoid it.
2. All employees should know how to operate and maintain a resuscitator and respiration equipment.
3. Be able to give and demonstrate artificial respiration.

Safe Practices (continued)

4. Post areas where there is poisonous gas with suitable warning signs.
5. Be sure all new employees are thoroughly trained before they are sent to the field - tomorrow may be too late.
6. Teach employees to avoid exposure to gas when ever possible - work on the windward side, have breathing equipment available.
7. Never let poor judgement guide you - wear respiratory equipment when gauging tanks, etc. Never try to hold your breath in order to enter a contaminated atmosphere.
8. In areas of high concentration, a two-person operation is recommended.
9. Never enter a tank, cellar, or other enclosed place where gas can accumulate without proper respiratory protective equipment and a safety belt secured to a life line held by another person outside.
10. Always check out danger areas first with H₂S detectors before allowing anyone to enter. DO NOT TRY TO DETERMINE THE PRESENCE OF GAS BY ITS ODOR.
11. Wear proper respiratory equipment for the job at hand. Never take a chance with equipment with which you are unfamiliar. If in doubt, consult your-supervisor.
12. Carry out practice drills every month with emergency and maintenance breathing equipment. Telling or showing a group how to operate equipment is not enough - make them show you.
13. Maximum care should be taken to prevent the escape of fumes into the air of working places by leaks, etc.
14. Communications such as radios and telephones should be provided for those people employed where H₂S may be present.

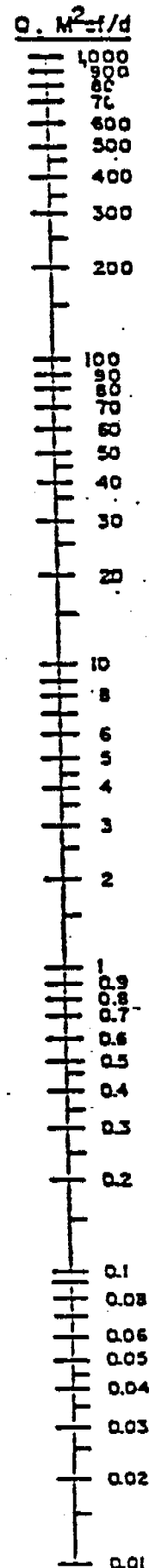
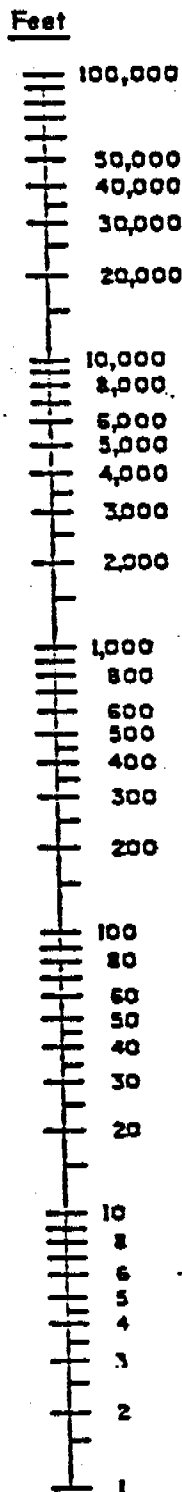
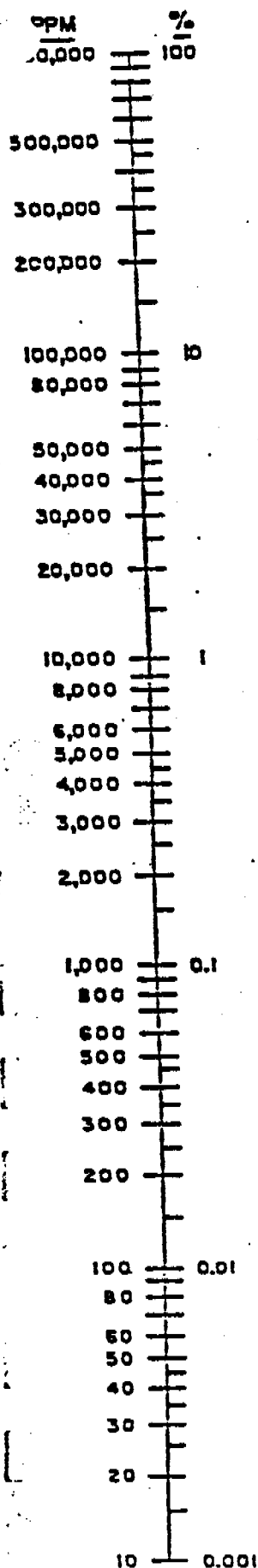
THE USE OF SELF-CONTAINED BREATHING EQUIPMENT

1. Written procedures shall be prepared covering safe use of respirators in dangerous atmosphere which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available respirators.
2. Respirators shall be inspected frequently at random to insure that they are properly used, cleaned and maintained.
3. Anyone who may use the respirators shall be trained in how to insure proper face piece to face seal. They shall wear respirators in normal air and then wear it in a test atmosphere. (note: Such items as facial hair, beard or sideburns and eyeglass temple pieces will not allow a proper seal). Anyone that may be entering a toxic atmosphere. A special mask must be obtained for anyone who must wear eyeglasses.
4. Maintenance and care of respirators:
 - A. A program for maintenance and care of respirators shall include the following:
 - (1) Inspection for defects, including leak checks.
 - (2) Cleaning and disinfecting.
 - (3) Repair.
 - (4) Storage.
 - B. Inspection: Self-contained breathing apparatus for emergency use shall be inspected monthly for the following and a permanent record kept of these inspections:
 - (1) Fully charged cylinders.
 - (2) Regulator and warning device operation.
 - (3) Condition of face piece and connections.
 - (4) Elastometer or rubber parts shall be stretched or massaged to keep them pliable and prevent deterioration.
 - C. Routinely used respirators shall be collected, cleaned and disinfected as frequently as necessary to insure proper protection is provided.

THE USE OF SELF-CONTAINED BREATHING EQUIPMENT (continued)

5. Person assigned task that required self-contained breathing equipment shall be certified physically first for breathing equipment usage by the local company physician at least annually.
6. Respirators should be worn when:
 - A. Any employee works near the top or on top of any tank unless test reveals less than 20 ppm of H₂S.
 - B. When breaking out any line where H₂S can reasonably be expected.
 - C. When sampling air in areas to determine if toxic concentrations of H₂S exist.
 - D. When working in areas where over 20 ppm H₂S has been detected.
 - E. At any time there is a doubt as to the H₂S level in the area to be entered.

HYDROGEN SULFIDE 100 PPM EXPOSURE RADIUS



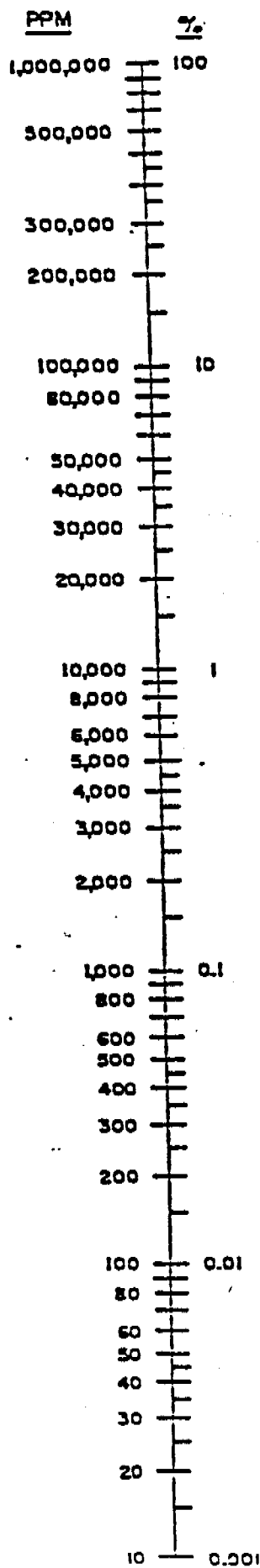
At X = 3000 Ft.
Q = 226,547 PPM

At X = 50 Ft.
Q = 326.4 PPM

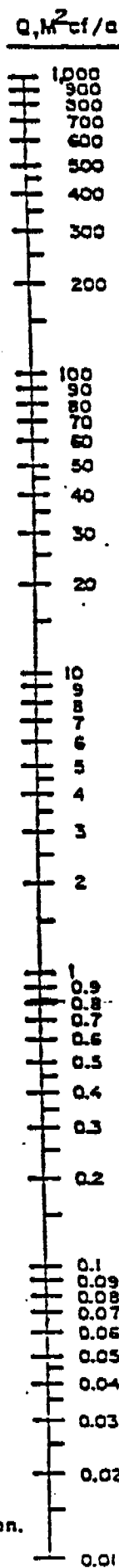
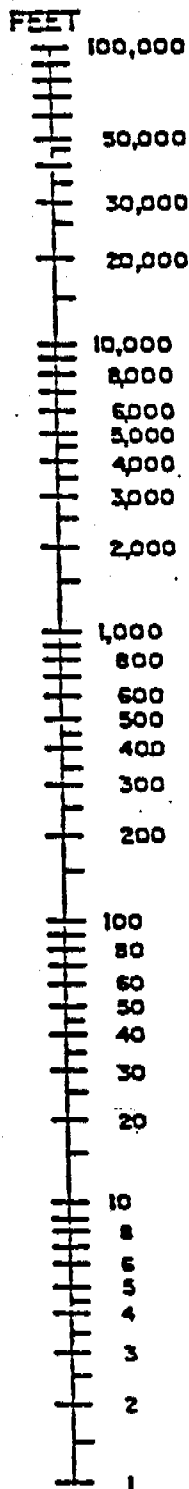
$$100 \text{ PPM Radius of Exposure in Feet} = X$$

$$X = [(1.589)(\text{Mole Fraction})(\text{Escape Rate})]^{0.6258}$$

$$= [(1.589)(\text{PPM})(Q \text{ in } M^2\text{-ft/d})]^{0.6258}$$



HYDROGEN SULFIDE 500 PPM EXPOSURE RADIUS



At $X = 50 \text{ Ft.}$
 $Q = 1140.9$
PPM

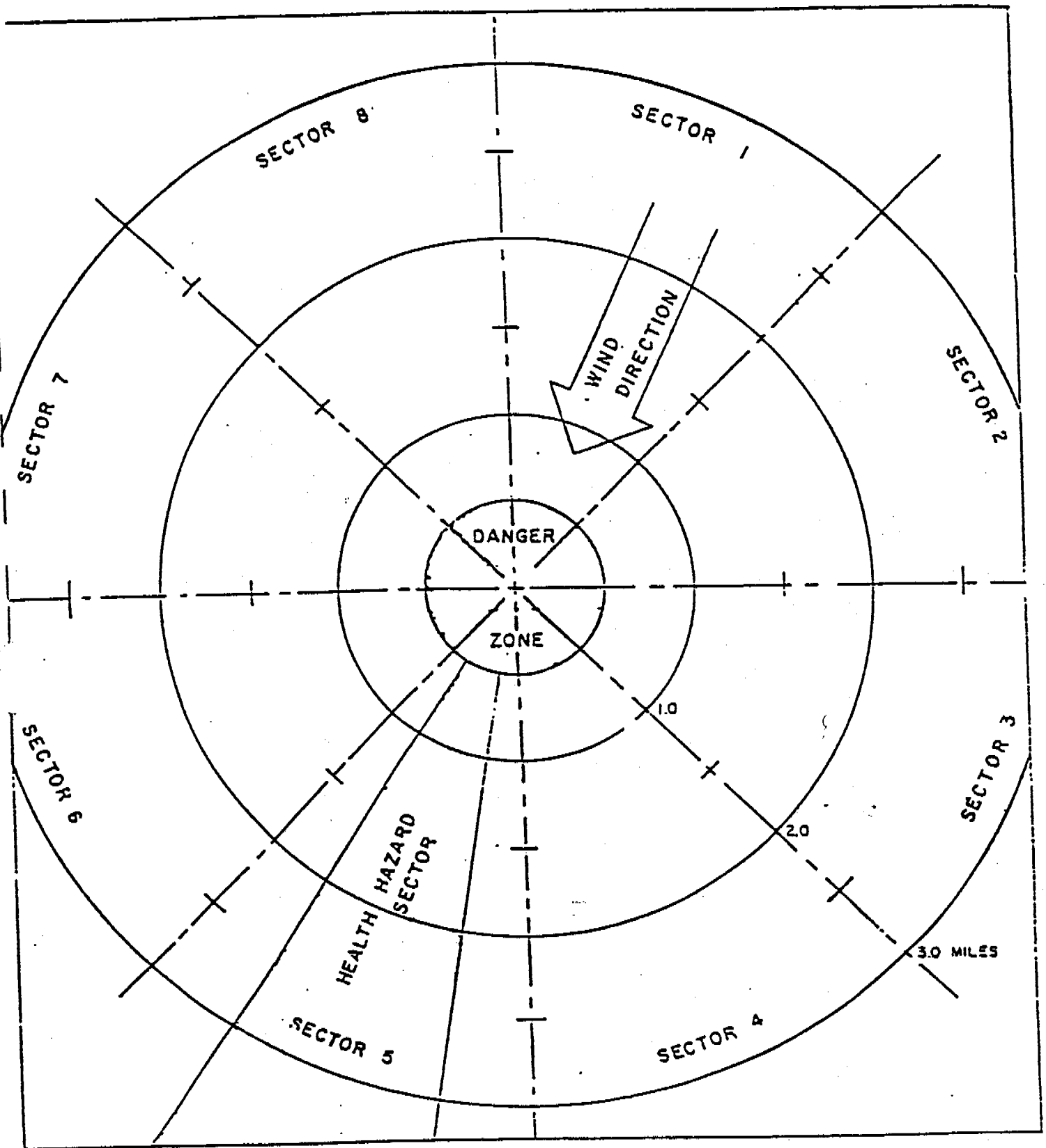
500 PPM Radius of Exposure in Feet = X

$$X = [(0.4546)(\text{Mole Fraction})(\text{Escape Rate})]^{0.6258}$$

$$X = [(0.4546)(\text{PPM} \times 10^6)(Q \times 10^5 \text{ cu. ft.})]^{0.6258}$$

Wind velocity = 1 mph; Plume is shape of H_2S dispersion.

Pressure base 14.55 psia, $T_b = 60^\circ F$



EXAMPLE
RESIDENCE
LOCATION
MAP

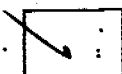
SCALE 0 1/4 1/2 3.0 MILES

OPERATOR Phillips Petroleum Co N-0770 DATE 4-11-91
WELL NAME Rathford Unit 14-41
SEC NENE 14 T 41S R 03E COUNTY San Juan

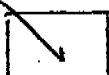
43-037-31603
API NUMBER

Indian (v)
TYPE OF LEASE

CHECK OFF:



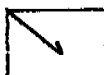
PLAT.



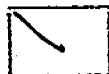
BOND



NEAREST
WELL



LEASE



FIELD
GLBM



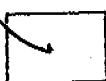
POTASH OR
OIL SHALE

PROCESSING COMMENTS:

Included in 1991 POD per Duane Special BLM
Water Permit

APPROVAL LETTER:

SPACING:

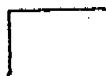


R615-2-3

Rathford Unit
UNIT



R615-3-2



N/A
CAUSE NO. & DATE



R615-3-3

STIPULATIONS:

1- Needs water permit
cc: BIA



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 30, 1991

Phillips Petroleum Company
300 W. Arrington, Suite 200
Farmington, New Mexico 87401

Gentlemen:

Re: Ratherford 14-41 Well, 801 feet from the North line, 521 feet from the East line, NE NE, Section 14, Township 41 South, Range 23 East, San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq. (1953, as amended), and Utah Admin. R.615-2-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

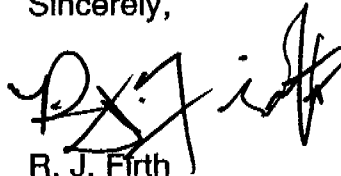
1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Phillips Petroleum Company
Ratherford 14-41
April 30, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31623.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', with a stylized flourish at the end.

R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
we14/1-30

WATER PERMIT OK

DIVISION OF OIL, GAS AND MINING

API NO. 43-037-31623

SPODDING INFORMATION

NAME OF COMPANY: PHILLIPS PETROLEUM COMPANY

WELL NAME: RATHERFORD UNIT #14-41

SECTION NENE 14 TOWNSHIP 41S RANGE 23E COUNTY SAN JUAN

DRILLING CONTRACTOR AZTEC

RIG # 124

SPODDED: DATE 5-17-91

TIME 12:00 noon

HOW ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY GLENN GOODWIN

TELEPHONE # _____

DATE 5-24-91 SIGNED _____ TAS TAKEN BY: FRM



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

May 16, 1991

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

Phillips Petroleum Company
Attn: L. Edward Hasely
5525 Highway 64 NBU 3004
Farmington, New Mexico 87401

Re: Temporary Change Application t91-09-01
Ratherford Unit 11-43: NE4SE4 Sec. 11, T41S, R23E, SLB&M - 43-037-31622
Ratherford Unit 14-41: NE4NE4 Sec. 14, T41S, R23E, SLB&M - 43-037-31623
Expiration Date: May 15, 1992

Dear Mr. Hasely:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

cc: Tammy Searing, Division of Oil, Gas & Mining

Enclosures
MPP/mjk

RECEIVED

MAY 20 1991

DIVISION OF
OIL GAS & MINING

APPLICATION FOR TEMPORARY CHANGE OF WATER

STATE OF UTAH

Rec. by _____
Fee Paid \$ _____
Receipt # _____
Microfilmed _____
Roll # _____

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 09 - Area _____ *APPLICATION NO. t 91 - 09 - 01

Changes are proposed in (check those applicable)

_____ point of diversion. ☒ place of use. ☒ nature of use. ☒ period of use.

1. OWNER INFORMATION

Name: Phillips Petroleum Company *Interest: 100 %

Address: 5525 Highway 64 NBU 3004

City: Farmington State: New Mexico Zip Code: 87401

2. *PRIORITY OF CHANGE: May 15, 1991 *FILING DATE: May 15, 1991

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 09-281 (A32773)

Prior Approved Temporary Change Applications for this right: t90-09-01; t90-09-02

***** HERETOFORE *****

4. QUANTITY OF WATER: 8.0 cfs and/or _____ ac-ft.

5. SOURCE: (20) Underground Wells

6. COUNTY: San Juan

7. POINT(S) OF DIVERSION: See Attached Sheet

Description of Diverting Works: All 16' diameter, 20-30 feet deep

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 8.0 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

Temporary Change

10. NATURE AND PERIOD OF USE

Irrigation: From _____ to _____
Stockwatering: From _____ to _____
Domestic: From _____ to _____
Municipal: From _____ to _____
Mining: From _____ to _____
Power: From _____ to _____
Other: Oilfield From January 1 to December 31

11. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District in the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Oil field pressure maintenance & secondary recovery uses.

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____
Ratherford Unit in San Juan County

13. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 4.0 ac-ft.

15. SOURCE: Underground Water Wells (20)

Balance of the water will be abandoned: _____, or will be used as heretofore: X

16. COUNTY: San Juan

17. POINT(S) OF DIVERSION: Same as heretofore

Description of Diverting Works: Same as heretofore

*COMMON DESCRIPTION: 2 miles SE of Montezuma Creek Montezuma Creek Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____

Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 4.0 ac-ft.

The amount of water to be returned is _____ cfs or _____ ac-ft.

The water will be returned to the natural stream/source at a point(s): _____

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 5 / 13 / 91 to 5 / 12 / 92

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Oil well drilling and other associated uses.

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): _____

- 1) Ratherford Unit 11-43: NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11, T41S, R23E, SLB&M
2) Ratherford Unit 14-41: NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14, T41S, R23E, SLB&M.

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): _____

4.0 acre-feet of water will be taken from the Ratherford Unit well complex and
used for the construction and drilling of two additional Ratherford Unit oil wells.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

L. Edward Harely
Signature of Applicant(s)

PLACE OF USE

Ratherford Unit 11-43	NE SE Sec. 11-T41S-R23E
Ratherford Unit 14-41	NE NE Sec. 14-T41S-R23E

Application for Temporary Change of Water
Phillips Petroleum Company

Paragraph #7 Heretofore Points of Diversion and
Paragraph #17 Hereafter Points of Diversion

- 1) S. 950 ft. & W. 148 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 2) S. 1014 ft. & W. 442 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 3) S. 1007 ft. & W. 741 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 4) S. 1010 ft. & W. 592 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 5) S. 982 ft. & W. 294 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 6) S. 887 ft. & W. 2 ft. from NE Cor. Sec. 5, T41S, R24E, SLB&M
- 7) S. 863 ft. & E. 145 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 8) S. 843 ft. & E. 293 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 9) S. 818 ft. & E. 440 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 10) S. 803 ft. & E. 590 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 11) S. 789 ft. & E. 739 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 12) S. 803 ft. & E. 1137 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 13) S. 802 ft. & E. 1334 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 14) S. 759 ft. & E. 1529 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 15) S. 715 ft. & E. 1725 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 16) S. 672 ft. & E. 1920 ft. from NW Cor. Sec. 4, T41S, R24E, SLB&M
- 17) S. 1792 ft. & W. 352 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 18) S. 1792 ft. & W. 952 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 19) S. 1792 ft. & W. 652 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M
- 20) S. 1714 ft. & W. 1545 ft. from NE Cor. Sec. 4, T41S, R24E, SLB&M

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t91-09-01

1. May 15, 1991 Change Application received by MP.
2. May 16, 1991 Application designated for APPROVAL by MP.

3. Comments:

Conditions:

This application is hereby APPROVED, dated May 16, 1991, subject to prior rights and this application will expire on May 15, 1992.



Mark Page, Area Engineer
for
Robert L. Morgan, State Engineer

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR PHILLIPS PETROLEUM COMPANY
ADDRESS P. O. BOX 1967
HOUSTON, TX 77251-1967

OPERATOR ACCT. NO. N 0772

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	06280	→	43-037-3162 ³	RATHERFORD UNIT #14-41	NE NE	14	41S	23E	San Juan	5/17/91	5/17/91
WELL 1 COMMENTS: New Drilling Well Indles - Lease Field - Greater Aneth Unit - Ratherford Proposed Zone - DSCP (Entity 6280 added 5-30-91) <i>fr</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

MAY 28 1991

DIVISION OF
OIL GAS & MINING

G. D. Blacketer

Signature G. D. Blacketer

Accounting Director 5/22/91

Title Date

Phone No. (713) 669-7913

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1A. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1B. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REMVR ☐ Other _____

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations)

At surface 521' FEL, 810' FNL (NE/NE)

At top prod. interval reported below Same as above

At total depth Same as above

14. PERMIT NO. 43-037-31623 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

14-41

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 14, T41S, R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 5-17-91 16. DATE T.D. REACHED 6-5-91 17. DATE COMPL. (Ready to prod.) 6-13-91 18. ELEVATIONS (DP, RKB, RT, OR, ETC.)* 4522' 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5515' 21. PLUG, BACK T.D., MD & TVD 5467' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5357'-5443' Desert Creek 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

CR-CCL-CBL-VDL

BOREHOLE COMPENSATED SONIC, REPEAT FORMATION TESTER
DUAL INDUCTION, COMP NEUTRON-LITHO DETECTOR, MUD LOG

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	91#, K-55	147'	17-1/2"	166 Sx Cl B, Circ 50 Sx	
9-5/8"	36#, J-55	1496'	12-1/2"	850 Sx Cl B	
7"	20, 23, 26#	5515'	8-3/4"	1st Stage-300 Sx Cl G	
				2nd Stage-135 Sx Howco Lite/430 Sx Cl B	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
---	---	---			2-7/8"	5467'	

31. PERFORATION RECORD (Interval, size and number)

Perf'd w/2 shots per foot

5437'-5443'; 5429'-5433'; 5383'-5388'

5378'-5380'; 5364'-5374'; 5357'-5361'

Total 70 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5357'-5443'	6481 gals 15% HCL @ 2800 psi. 2.5 BPM. Flushed w/32 Bbls wtr.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-13-91		Pumping w/RHBC Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-21-91	24		→	83	59	44	749
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
55	55	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED L. E. Robinson

TITLE Sr. Drlg. & Prod. Engr.

DATE 7-31-91

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<p>Distribution:</p> <p>5 - BLM, Farmington</p> <p>2 - Utah, Div. of O&G&M</p> <p>1 - The Navajo Nation</p> <p>1 - R. C. Arnim (r) G. R. Young</p> <p>1 - D. C. Gill</p> <p>1 - V. S. Shaw</p> <p>1 - F. D. Caudle</p> <p>1 - T. V. Rankin</p> <p>1 - W. H. Smith</p> <p>1 - N. Anstine</p> <p>1 - P. J. Konkell</p> <p>1 - Texaco</p> <p>1 - Chieftain</p> <p>1 - Mobil Oil</p> <p>1 - PPCo, Houston</p> <p>1 - PPCo, Farmington</p> <p>1 - Gale Yarrow</p>			

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Chinle	1284'	
Shinarump	2012'	
Moenkopi	2128'	
Cutler	2234'	
Hermosa	4273'	
Paradox	5343'	



PHILLIPS PETROLEUM COMPANY

HOUSTON, TEXAS 77251-1967
BOX 1967

EXPLORATION AND PRODUCTION GROUP

BELLAIRE, TEXAS
6330 WEST LOOP SOUTH
PHILLIPS BUILDING

September 18, 1991

Utah Division of Oil, Gas & Mining
Attn: Vicki Carney
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

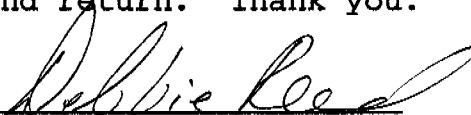
Re: Phillips, Ratherford #14-41
Sec. 14-T41S-R23E
San Juan County, Utah

pow
43-037-31623

Please find enclosed the following logs:

- 1 Dual Induction-SFL ✓
- 1 Compensated Neutron-Litho-Density ✓
- 1 Borehole Compensated Sonic Log ✓
- 1 Repeat Formation Tester ✓
- 1 Mudlog ✓

Please sign one copy of this transmittal and return. Thank you.


Debbie Reed
Geological Clerk

Received By: UHC

Date: 9-25-91

RECEIVED

SEP 24 1991

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Page 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the
Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box
633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		3. LEASE DESIGNATION & SERIAL NO.	
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL	
2. NAME OF OPERATOR MOBIL OIL CORPORATION		7. UNIT AGREEMENT NAME RATHERFORD UNIT	
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		9. WELL NO.	
10. FIELD AND POOL, OR WILDCAT GREATER ANETH		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
12. COUNTY SAN JUAN		13. STATE UTAH	

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other) CHANGE OF OPERATOR

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

18. I hereby certify that the foregoing is true and correct

SIGNED

Shirley Todd

TITLE

ENV. & REG TECHNICIAN

DATE

9-8-93

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FEL; 772 FSL
13-11W	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL
13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL
13W-13	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL
13-14	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL
13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL
13W-22	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL
13-23	43-037-31129	14-20-603-247A	SEC. 13, T41S, R23E	NE/SW 1980 FSL; 1930 FWL
13W-44	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	600 FSL; 3300 FEL
13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL
13W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL
13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL
13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL
13W-42	43-037-15857	14-20-603-247A	SEC. 13, T41S, R23E	SE/NE 2139; 585 FEL
13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL
13W-44	43-037-16407	14-20-603-247A	SEC. 13, T41S, R23E	SE/SE 635 FSL; 659 FEL
14-03	NA	14-20-603-4037	SEC. 11, T41S, R23E	SW/SW 660 FSL; 660 FEL
14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL
14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL
14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL
14W-43	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL
14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL
15-12	43-037-15715	14-20-603-355	SEC. 15, T41S, R24E	1820 FNL; 500 FWL
15W-21	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 1820 FWL
15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL
15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL
15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL
15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL
15-42	43-037-30448	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL
16W-12	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL
16-13	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL
16W-14	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL
16W-21	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL
16W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL
16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL
16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL
16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL
16W-43	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL
17-11	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL
17W-12	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL
17-13	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL
17W-14	43-037-15727	14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL
17W-21	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL
17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL
17W-23	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL
17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL
17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL
17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL
17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL
17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL
17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL
17-44	43-037-15732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL
17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL
18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL
18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL
18W-21	43-037-16418	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL
18-22	43-037-31236	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 2200' FNL; 2210' FWL
18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL
18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL
18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL
18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL
18W-32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL
18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL
18W-41	43-037-15738	14-20-603-353	SEC. 18, T41S, R24E	NE/NE 660' FNL; 660' FEL
18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL
18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL
18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL
19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL
19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL
19-14	43-037-15740	14-20-603-353	SEC. 19, T41S, R24E	600' FSL; 660' FEL

PA'd

PA'd

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

BRIAN BERRY

M E P N A MOBIL

POB 249031-1807A RENTWY P.O. DRAWER G

DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT ☐ (Highlight Changes)X931006 updated.
Jee

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

COMMENTS:

PLEASE NOTE ADDRESS change. Robin ~~also~~ PRODUCTION Reports
will be compiled and sent from the Cortez, Co. office
IN THE FUTURE.

I hereby certify that this report is true and complete to the best of my knowledge.

Name and Signature:

Lewell B Sheffield

Date:

9/5/93

Telephone Number:

303 565 2212
241 58 2528

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rutherford Unit
Successor Operator.

4 pages including this one.

Like Ratherford Unit (GC)

RECEIVED
BLM

JUL 27 AM 11:44

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

670 FARMINGTON, NM

ARES/543

JUL 26 1993

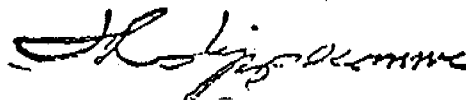
Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR
APPROVED BY TITLE DATE
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 Irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482
100%	Indian Lands	TOTAL 12,909.74	100.0000000

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____☐ Suspense☒ Other

(Return Date) _____

OPERATOR CHANGE

(Location) Sec _____ Twp _____ Rng _____

(To - Initials) _____

(API No.) _____

1. Date of Phone Call: 10-6-93 Time: 9:302. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114of (Company/Organization) MOBIL3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVALOR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: _____

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA ASPER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOWBE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.MEPNA-PO DRAWER GCORTEZ, CO 81321(303) 565-2212*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLYREPORTED OUT OF DALLAS (MCCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

Routing:

1	REC-17-34
2	DEPT-8-118
3	VLC
4	RJE
5	DEPT
6	PL

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator)	<u>M E P N A</u>	FROM (former operator)	<u>PHILLIPS PETROLEUM COMPANY</u>
(address)	<u>PO DRAWER G</u>	(address)	<u>5525 HWY 64 NBU 3004</u>
	<u>CORTEZ, CO 81321</u>		<u>FARMINGTON, NM 87401</u>
	<u>GLEN COX (915)688-2114</u>		<u>PAT KONKEL</u>
	phone <u>(303) 565-2212</u>		phone <u>(505) 599-3452</u>
	account no. <u>N7370</u>		account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed):

***RATHERFORD UNIT (NAVAJO)**

Name: **SEE ATTACHED**	API: <u>43-037-31623</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ✓ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- ✓ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DC's
10-10-93
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: 11/17 1993.

FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 22 of 22

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 6 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
RATHERFORD 20-67								
4303731590	06280	41S 24E 20	DSCR					
RATHERFORD 20-68								
4303731591	06280	41S 24E 20	DSCR					
RATHERFORD 20-66								
4303731592	06280	41S 24E 20	DSCR					
RATHERFORD 24-32								
4303731593	06280	41S 23E 24	DSCR					
RATHERFORD 19-97								
4303731596	06280	41S 24E 19	DSCR					
RATHERFORD 11-43								
4303731622	06280	41S 23E 11	DSCR					
RATHERFORD 14-41								
4303731623	06280	41S 23E 14	DSCR					
RATHERFORD UNIT 14-31								
4303731717	06280	41S 23E 14	DSCR					
RATHERFORD UNIT 19-13								
4303731719	06280	41S 24E 19	DSCR					
RATHERFORD UNIT 21-24								
4303731720	06280	41S 24E 21	DSCR					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

☐ Suspense
(Return Date) _____
(To - Initials) _____

☒ Other
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. (_____)
of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.
*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

1-LEC	7-PL
2-LWP	8-SJ
3-BES	9-FILE
4-VLC	
5-RJF	
6-LWP	

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) **MOBIL EXPLOR & PROD**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

FROM (former operator) **M E P N A**
 (address) **C/O MOBIL OIL CORP**
PO DRAWER G
CORTEZ CO 81321
 phone (303) **564-5212**
 account no. **N7370**

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-31623</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 WIC F5/Not necessary!

ExxonMobil Production Company

U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

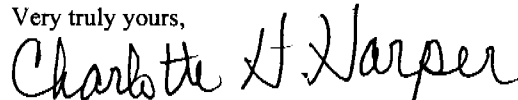
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001
DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXX
Navajo Area Office
NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DENNET DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DM</i>
NATV AMIN COORD	
SOLID MIN TEAM	
PETRO MIN TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

PS 7/12/01

SH

543

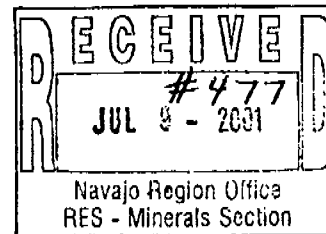
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

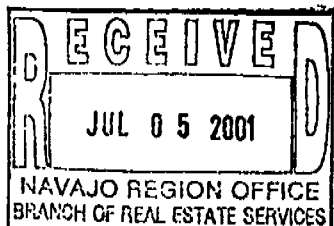
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isaac

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>

DIRECTORS

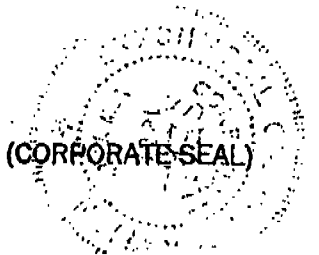
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd, Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

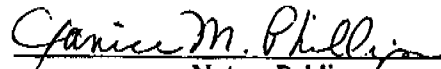
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

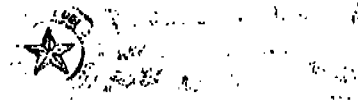
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Place, Suite 1900, Houston, Texas 77027-3501
Houston, TX 77027-4600 • Fax: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By : 

FEDERAL INSURANCE COMPANY

By: 

Mary Pierson, Attorney-in-fact



**Chubb
Surety**

**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

**Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----**

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson; and that the signature of said Assistant Secretary is in the genuine handwriting of Kenneth C. Wendel.



Notary Public State of New Jersey
No. 2231647
Commission Expires Oct. 28, 2004

Karen A. Price
Notary Public

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



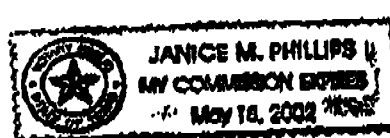
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



=> CSC

.TEL=5184334741

06/01'01 08:19

CSC
CSC

5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:06 NO.133 04/04

F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

100 cc
STATE OF NEW YORK
DEPARTMENT OF STATEFiled by: EXXONMOBIL CORPORATION
(Name)

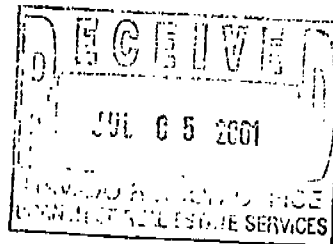
FILED JUN 01 2001

5959 Las Colinas Blvd.
(Mailing address)

TAX \$

BY: *SAC*Irving, TX 75039-2298
(City, State and Zip code)

Cust Ref # 1655781MPJ



010601000195

=> CSC

TEL=5184334741

06/01'01 08:19

*State of New York }
Department of State } ss:*

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW ✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: 06-01-2001	
FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD UNIT 14-41	14-41S-23E	43-037-31623	6280	INDIAN	OW	P
RATHERFORD UNIT 24-41	24-41S-23E	43-037-31132	6280	INDIAN	OW	P
RATHERFORD UNIT 24-32	24-41S-23E	43-037-31593	6280	INDIAN	OW	S
3-12	03-41S-24E	43-037-15620	6280	INDIAN	OW	P
4-14	04-41S-24E	43-037-16163	6280	INDIAN	OW	P
4-34	04-41S-24E	43-037-16164	6280	INDIAN	OW	P
5-34	05-41S-24E	43-037-15983	6280	INDIAN	OW	P
RATHERFORD UNIT 7-11	07-41S-24E	43-037-31163	6280	INDIAN	OW	P
RATHERFORD UNIT 7-13	07-41S-24E	43-037-31164	6280	INDIAN	OW	P
RATHERFORD UNIT 7-22	07-41S-24E	43-037-31165	6280	INDIAN	OW	P
RATHERFORD UNIT 7-24	07-41S-24E	43-037-31166	6280	INDIAN	OW	S
RATHERFORD UNIT 7-44	07-41S-24E	43-037-31189	6280	INDIAN	OW	S
8-12	08-41S-24E	43-037-15991	6280	INDIAN	OW	P
8-21	08-41S-24E	43-037-15993	6280	INDIAN	OW	S
8-23	08-41S-24E	43-037-15994	6280	INDIAN	OW	P
8-32	08-41S-24E	43-037-15995	6280	INDIAN	OW	P
8-34	08-41S-24E	43-037-15996	6280	INDIAN	OW	P
8-41	08-41S-24E	43-037-15997	6280	INDIAN	OW	S
9-12	09-41S-24E	43-037-15126	6280	INDIAN	OW	P
9-14	09-41S-24E	43-037-15127	6280	INDIAN	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 04/15/2002
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 04/15/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 6/1/2006	
FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600
CA No.	Unit: RATHERFORD

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: _____
- (R649-9-2) Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Navajo Tribe

7. UNIT or CA AGREEMENT NAME:

Ratherford Unit

8. WELL NAME and NUMBER:

See attached list

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

Greater Aneth

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER Unit Agreement

2. NAME OF OPERATOR:

Resolute Natural Resources Company N2700

3. ADDRESS OF OPERATOR:

1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:

(303) 534-4600

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached list

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) Dwight E Mallory

TITLE Regulatory Coordinator

SIGNATURE Dwight E Mallory

DATE 4/20/2006

(This space for State use only)

APPROVED 6127106
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>		7. UNIT or CA AGREEMENT NAME: UTU68931A
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358		8. WELL NAME and NUMBER: Ratherford
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: attached
		10. FIELD AND POOL, OR WILDCAT: Aneth
		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of producers and water source wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie B. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/30/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	01-14	430373116200S1	Producing	1420603246A	1	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	01-34	430371638501S1	SI	1420603246A	1	41S	23E	SWSE	1133FSL	1980FEL
Ratherford	11-41	430373154400S1	Producing	1420603246A	11	41S	23E	NENE	0860FNL	0350FEL
Ratherford	11-43	430373162201S1	Producing	1420603246A	11	41S	23E	NESE	1980FSL	0660FEL
Ratherford	12-12	430373119000S1	Producing	1420603246A	12	41S	23E	SWNW	1850FNL	0660FWL
Ratherford	12-14	430371584400S1	SI	1420603246A	12	41S	23E	SWSW	0660FSL	4622FEL
Ratherford	12-21	430373120100S1	Producing	1420603246A	12	41S	23E	NENW	0660FNL	1980FWL
Ratherford	12-23	430371584601S1	Producing	1420603246A	12	41S	23E	NESW	1958FSL	3300FEL
Ratherford	12-32	430373120300S1	Producing	1420603246A	12	41S	23E	SWNE	1820FNL	1820FEL
Ratherford	12-34	430373112600S1	Producing	1420603246A	12	41S	23E	SWSE	0675FSL	1905FEL
Ratherford	12-43	430373120200S1	SI	1420603246A	12	41S	23E	NESE	2100FSL	0660FEL
Ratherford	13-12	430373112701S1	Producing	1420603247A	13	41S	23E	SWNW	1705FNL	0640FWL
Ratherford	13-14	430373158900S1	Producing	1420603247A	13	41S	23E	SWSW	0660FSL	0660FWL
Ratherford	13-21	430373112801S1	SI	1420603247A	13	41S	23E	NENW	0660FNL	1920FWL
Ratherford	13-23	430373112900S1	Producing	1420603247A	13	41S	23E	NESW	1980FSL	1930FWL
Ratherford	13-34	430373113001S1	Producing	1420603247A	13	41S	23E	SWSE	0660FSL	1980FEL
Ratherford	13-41	430371585601S1	Producing	1420603247A	13	41S	23E	NENE	660FNL	660FEL
Ratherford	13-43	430373113100S1	Producing	1420603247A	13	41S	23E	NESE	1700FSL	0960FEL
Ratherford	14-32	430371585801S1	Producing	1420603247A	14	41S	23E	SWNE	2130FNL	1830FEL
Ratherford	14-41	430373162300S1	Producing	1420603247A	14	41S	23E	NENE	0521FNL	0810FEL
Ratherford	24-32	430373159300S1	Producing	1420603247A	24	41S	23E	SWNE	2121FNL	1846FEL
Ratherford	24-41	430373113200S1	Producing	1420603247A	24	41S	23E	NENE	0660FNL	0710FEL
Ratherford	17-11	430373116900S1	Producing	1420603353	17	41S	24E	NWNW	1075FNL	0800FWL
Ratherford	17-13	430373113301S1	Producing	1420603353	17	41S	24E	NWSW	2100FSL	0660FWL
Ratherford	17-22	430373117001S1	Producing	1420603353	17	41S	24E	SENE	1882FNL	1910FWL
Ratherford	17-24	430373104400S1	Producing	1420603353	17	41S	24E	SESW	0720FSL	1980FWL
Ratherford	17-31	430373117800S1	Producing	1420603353	17	41S	24E	NWNE	0500FNL	1980FEL
Ratherford	17-33	430373113400S1	Producing	1420603353	17	41S	24E	NWSE	1980FSL	1845FEL
Ratherford	17-42	430373117700S1	Producing	1420603353	17	41S	24E	SENE	1980FNL	0660FEL
Ratherford	17-44	430371573201S1	Producing	1420603353	17	41S	24E	SESE	0660FSL	0660FEL
Ratherford	18-11	430371573300S1	SI	1420603353	18	41S	24E	NWNW	0720FNL	0730FWL
Ratherford	18-13	430371573401S1	Producing	1420603353	18	41S	24E	NWSW	1980FSL	0500FWL
Ratherford	18-22	430373123600S1	Producing	1420603353	18	41S	24E	SENE	2200FNL	2210FWL
Ratherford	18-24	430373107900S1	Producing	1420603353	18	41S	24E	SESW	0760FSL	1980FWL
Ratherford	18-31	430373118101S1	Producing	1420603353	18	41S	24E	NWNE	0795FNL	2090FEL
Ratherford	18-33	430373113501S1	Producing	1420603353	18	41S	24E	NWSE	1870FSL	1980FEL
Ratherford	18-42	430373118200S1	Producing	1420603353	18	41S	24E	SENE	2120FNL	0745FEL
Ratherford	18-44	430373104500S1	SI	1420603353	18	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-11	430373108000S1	Producing	1420603353	19	41S	24E	NWNW	0660FNL	0660FWL
Ratherford	19-13	430373171900S1	Producing	1420603353	19	41S	24E	NWSW	1980FSL	0660FWL
Ratherford	19-22	430373104601S1	Producing	1420603353	19	41S	24E	SENE	1840FNL	1980FWL
Ratherford	19-24	430373175401S1	Producing	1420603353	19	41S	24E	SESW	0600FSL	1980FWL
Ratherford	19-31	430373104701S1	Producing	1420603353	19	41S	24E	NWNE	510FNL	1980FEL
Ratherford	19-33	430373104800S1	Producing	1420603353	19	41S	24E	NWSE	1980FSL	1980FEL
Ratherford	19-42	430373091600S1	Producing	1420603353	19	41S	24E	SENE	1880FNL	0660FEL
Ratherford	19-44	430373108100S1	Producing	1420603353	19	41S	24E	SESE	0660FSL	0660FEL
Ratherford	19-97	430373159600S1	Producing	1420603353	19	41S	24E	SENE	2562FNL	0030FEL
Ratherford	20-11	430373104900S1	Producing	1420603353	20	41S	24E	NWNW	0500FNL	0660FWL
Ratherford	20-13	430373091700S1	Producing	1420603353	20	41S	24E	NWSW	2140FSL	0500FWL
Ratherford	20-22	430373093000S1	Producing	1420603353	20	41S	24E	SENE	2020FNL	2090FWL
Ratherford	20-24	430373091800S1	Producing	1420603353	20	41S	24E	SESW	0820FSL	1820FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	20-31	430373105001S1	Producing	1420603353	20	41S	24E	NWNE	0660FNL	1880FEL
Ratherford	20-33	430373093100S1	Producing	1420603353	20	41S	24E	NWSE	1910FSL	2140FEL
Ratherford	20-42	430373105100S1	Producing	1420603353	20	41S	24E	SENE	1980FNL	0660FEL
Ratherford	20-44	430373091501S1	Producing	1420603353	20	41S	24E	SESE	0620FSL	0760FEL
Ratherford	20-66	430373159201S1	Producing	1420603353	20	41S	24E	SWNW	1369FNL	1221FWL
Ratherford	20-68	430373159100S1	Producing	1420603353	20	41S	24E	NWSW	1615FSL	1276FWL
Ratherford	15-12	430371571501S1	Producing	1420603355	15	41S	24E	SWNW	1820FNL	0500FWL
Ratherford	15-22	430373044900S1	SI	1420603355	15	41S	24E	SENE	1980FNL	2050FWL
Ratherford	15-32	430371571700S1	Producing	1420603355	15	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	15-33	430371571800S1	Producing	1420603355	15	41S	24E	NWSE	1650FSL	1980FEL
Ratherford	15-41	430371571900S1	TA	1420603355	15	41S	24E	NENE	0660FNL	0660FEL
Ratherford	15-42	430373044800S1	Producing	1420603355	15	41S	24E	SENE	2020FNL	0820FEL
Ratherford	16-13	430373116801S1	Producing	1420603355	16	41S	24E	NWSW	1980FSL	660FWL
Ratherford	16-32	430371572300S1	Producing	1420603355	16	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	16-41	430371572500S1	Producing	1420603355	16	41S	24E	NENE	0660FNL	0660FEL
Ratherford	16-77	430373176800S1	Producing	1420603355	16	41S	24E	NESW	2587FSL	2410FWL
Ratherford	21-23	430371375400S1	Producing	1420603355	21	41S	24E	NESW	1740FSL	1740FWL
Ratherford	21-24	430373172001S1	SI	1420603355	21	41S	24E	SESW	487FSL	2064FWL
Ratherford	21-32	430371575500S1	SI	1420603355	21	41S	24E	SWNE	1880FNL	1980FEL
Ratherford	21-77	430373175801S1	SI	1420603355	21	41S	24E	NWSE	2511FSL	2446FEL
Ratherford	07-11	430373116300S1	Producing	1420603368	7	41S	24E	NWNW	0660FNL	0710FWL
Ratherford	07-13	430373116400S1	Producing	1420603368	7	41S	24E	NWSW	2110FSL	0740FWL
Ratherford	07-22	430373116500S1	Producing	1420603368	7	41S	24E	SENE	1980FNL	1980FWL
Ratherford	07-24	430373116600S1	Producing	1420603368	7	41S	24E	SESW	0880FSL	2414FWL
Ratherford	07-44	430373118900S1	SI	1420603368	7	41S	24E	SESE	0737FSL	0555FEL
Ratherford	08-12	430371599100S1	Producing	1420603368	8	41S	24E	SWNW	1909FNL	0520FWL
Ratherford	08-21	430371599300S1	Producing	1420603368	8	41S	24E	NENW	0616FNL	1911FWL
Ratherford	08-23	430371599400S1	Producing	1420603368	8	41S	24E	NESW	1920FSL	2055FWL
Ratherford	08-32	430371599500S1	Producing	1420603368	8	41S	24E	SWNE	1980FNL	1980FEL
Ratherford	08-34	430371599600S1	Producing	1420603368	8	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	04-34	430371616400S1	Producing	14206034035	4	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	11-14	430371616700S1	Producing	14206034037	11	41S	24E	SWSW	0660FSL	0660FWL
Ratherford	09-34	430371571100S1	SI	14206034043	9	41S	24E	SWSE	0660FSL	1980FEL
Ratherford	10-12	430371571200S1	Producing	14206034043	10	41S	24E	SWNW	1980FNL	0660FWL
Ratherford	10-14	430371571300S1	Producing	14206034043	10	41S	24E	SWSW	0510FSL	0710FWL
Ratherford	10-32	430371571400S1	TA	14206034043	10	41S	24E	SWNE	2080FNL	1910FEL
Ratherford	10-44	430373045100S1	TA	14206034043	10	41S	24E	SESE	0820FSL	0510FEL
Ratherford	29-11	430373105300S1	Producing	1420603407	29	41S	24E	NWNW	0770FNL	0585FWL
Ratherford	29-22	430373108200S1	Producing	1420603407	29	41S	24E	SENE	2130FNL	1370FWL
Ratherford	29-31	430373091401S1	Producing	1420603407	29	41S	24E	NWNE	0700FNL	2140FEL
Ratherford	29-33	430373093200S1	SI	1420603407	29	41S	24E	NWSE	1860FSL	1820FEL
Ratherford	29-34	430371534000S1	SI	1420603407	29	41S	24E	SWSE	0817FSL	2096FEL
Ratherford	29-42	430373093700S1	SI	1420603407	29	41S	24E	SENE	1850FNL	0660FEL
Ratherford	30-32	430371534200S1	Producing	1420603407	30	41S	24E	SWNE	1975FNL	2010FEL
Ratherford	28-11	430373044600S1	Producing	1420603409	28	41S	24E	NWNW	0520FNL	0620FWL

Ratherford Unit - Producer Well List

minus P&A's

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
Ratherford	09-12	430371512600S1	Producing	14206035045	9	41S	24E	SWNW	1865FNL	0780FWL
Ratherford	09-14	430371512700S1	Producing	14206035046	9	41S	24E	SWSW	0695FSL	0695FWL
Ratherford	04-14	430371616300S1	Producing	14206035446	4	41S	24E	SWSW	0500FSL	0660FWL
Ratherford	03-12	430371562000S1	Producing	14206036506	3	41S	24E	SWNW	2140FNL	0660FWL

Water Source Wells (Feb 2006)

RU	S1	4303700001	Active
RU	S2	4303700002	Active
RU	S3	4303700003	Active
RU	S4	4303700004	Active
RU	S5	4303700005	Active
RU	S6	4303700006	Active
RU	S7	4303700007	Active
RU	S8	4303700008	Active
RU	S9	4303700009	Active
RU	S10	4303700010	Active
RU	S11	4303700011	Active
RU	S12	4303700012	Active
RU	S13	4303700013	Active
RU	S14	4303700014	Active
RU	S16	4303700016	Active
RU	S17	4303700017	Active

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		8. WELL NAME and NUMBER: RATHERFORD 14-41			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0810 FNL 0521 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037316230000			
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/15/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute proposes to attempt to pull the tubing and acidize existing perforation to enhance production in this well. The proposed procedure and wellbore diagram are attached, Work is to commence in mid to late December.					
		Accepted by the Utah Division of Oil, Gas and Mining Date: December 16, 2013 By: <u>Derek Quist</u>			
NAME (PLEASE PRINT) Sherry Glass		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr Regulatory Technician			
		DATE 12/5/2013			

RESOLUTE

NATURAL RESOURCES

Ratherford Unit 14-41

810' FNL, 521' FEL

NENE sec 14-T41S-R23E

43-037-31623

pump and rods; add perms

Job Scope

Job Scope: Pull rods and tubing. Inspect. Acidize existing perms. Swab back. Perf and acidize Desert Creek and Ismay zones separately. Swab back. POP.

(Acid planned? **Y**; Change of tubing size? N; Paraffin expected? none.

Work History

2/22/2013 MIRU WSU. Jar pump loose. POOH w rods. Gas anchor missing- corroded off. Tbg will not hold pressure. Test BOP. TOO H with 40 jts.

2/25/2013 TOO H with 174 jts. TAC at 5153.54, SSN at 5408.63, 4' perf sub, MA at 5437.68. Holes in tubing at 4958.47, 5218.37, 5375.99, missing 6' of MA and bull plug.

RIH with w/s. Tag fish at 5450. PBTD 5467, 17' of fish. TOO H with tubing, laying down. PU 44 jts for killstring.

2/26/2013 TIH to fish with fishing BHA. Tag scale at 5435. RU power swivel. Work down to 5452. Not going down. TOO H. TIH 40 jts killstring.

2/27/2013 TOO H w 40 jts. TIH w fishing BHA. Wash over from 5450 to 5463.13'. Not going down. TOO H. Recovered GA, 6' of spiraled tbg; more tbg inside washpipe.

2/28/2013 TIH w/ RBP. Set pkr at 5297. Pressure test csg and pkr- good. POOH w RBP and 57 jts laying down.

3/1/2013 TOO H w 107 jts, 164 jts total, laying down. TIH with new BHA and YB tbg. SN at 5409.55, slotted MA at 5439.64 Land tbg.

3/4/2013 Kill well with PW. RIH w reconditioned rods (T-66). Total 106 -7/8, 99-34, 8 - 1-1/2 stabilizer subs, 2 1/2 X 2 X 24' pump, 16' GA. POP.

Horsley Witten: No, not listed

1. MIRU WSU, LOTO, Kill well as necessary.
2. SI 9/8/2013 with hole in tubing.
3. POOH with rods and pump. Hang rods in derrick. Call and notify Bill Albert (970) 571-9682 for inspection. If unavailable, contact Tech Support: Virgil Holly (435) 444-0020, or Julius Claw (435) 444-0156. Replace rods per inspection results. Reconditioned T-66 rods ran March 2013
4. Current pump is 2" insert ran in March 2013.
5. NU BOPE, prepare to pull tubing.
6. Release the TAC @ 5259' KB. Install a packer. Pressure test BOPE.

7. TOO H with tubing, standing back. Lay down bad jts. Look for holes.
8. Call and notify Bill Albert to inspect tubing. If unavailable, contact Virgil Holly or Julius Claw. Replace bad tubing with new 2-7/8" and/or bottom 20 jts with new. YB tbg run in March, 2013
9. MIRU wireline. Perforate from 5424 - 5434 w 4" HSC csg gun w 4spf. Perforate 5400 - 5410 w 4" HSC csg gun w 4 spf. RDMO wireline.
10. MIRU Baker. RU PIP tool w three (3) ft spacing. PU workstring. RIH with PIP. First setting 5432- 5435. Breakdown perfs with 400 gal 20% acid. Move uphole 3 feet. Repeat breakdown . Complete breakdown of lower set of perfs 5424 - 5434. Estimate 4 settings and
11. Repeat breakdown of new perfs 5400 - 5410. Estimate 4 settings and 1600 gallons @2800 psi 2.5 BPM. If tool does not function or set, contact Ralph Schulte 970 443 8114 or at the MCU field office 435 651 3254 X 4125.
12. POOH with PIP. RIH w 2-7/8 workstring and 5-1/2" swab packer. Set packer at ~5395 ft.
13. Swab test new zones. Recover 1.25 acid volume pumped. Collect wellhead sample for oil cu
14. Kill well as necessary. POOH with tbg X pkr.
15. MIRU Wireline. RIH w RBP. Set at 5350. Dump two sacks of sand on top. Perforate from 5
16. MIRU Baker. RU PIP tool w three (3) ft spacing. PU workstring. RIH with PIP. First setting 5318- 5321. Breakdown perfs with 400 gal 20% acid. Move uphole 3 feet. Repeat
17. POOH with PIP. RIH w 2-7/8 workstring and 5-1/2" swab packer. Set packer at ~5290 ft..
18. Swab test new zone. Recover 1.25 acid volume pumped. Collect wellhead sample for oil cu
19. Kill well as necessary. POOH with tbg X pkr.
20. TIH with 2-7/8" and RBP retrieval tool. Latch onto RBP. POOH.
21. RIH w production tubing. BHA to include slotted mud anchor, CSN, blast joint, four jts tubing. TAC. tubing to surface.
24. EOT to be at ~5440' KB (MA), TAC at ~5249' KB.
25. NDBOP, NUWH.
26. RIH with rods & new pump. Contact Tech Support for pump and rod details.
27. Long stroke pump to test for good pumping action.
28. Leave enough polished rod for operators to correctly space pump as required.
29. Notify the Area Production Supervisor Terry Lee (435) 619-7237 that well is ready to return to production.
30. RDMOL. Hook up appropriate chemical treatment.

RATHERFORD UNIT # 14-41

GREATER ANETH FIELD

810' FNL & 521' FEL

SEC 14-T41S-R23E

SAN JUAN COUNTY, UTAH

API 43-037-31623

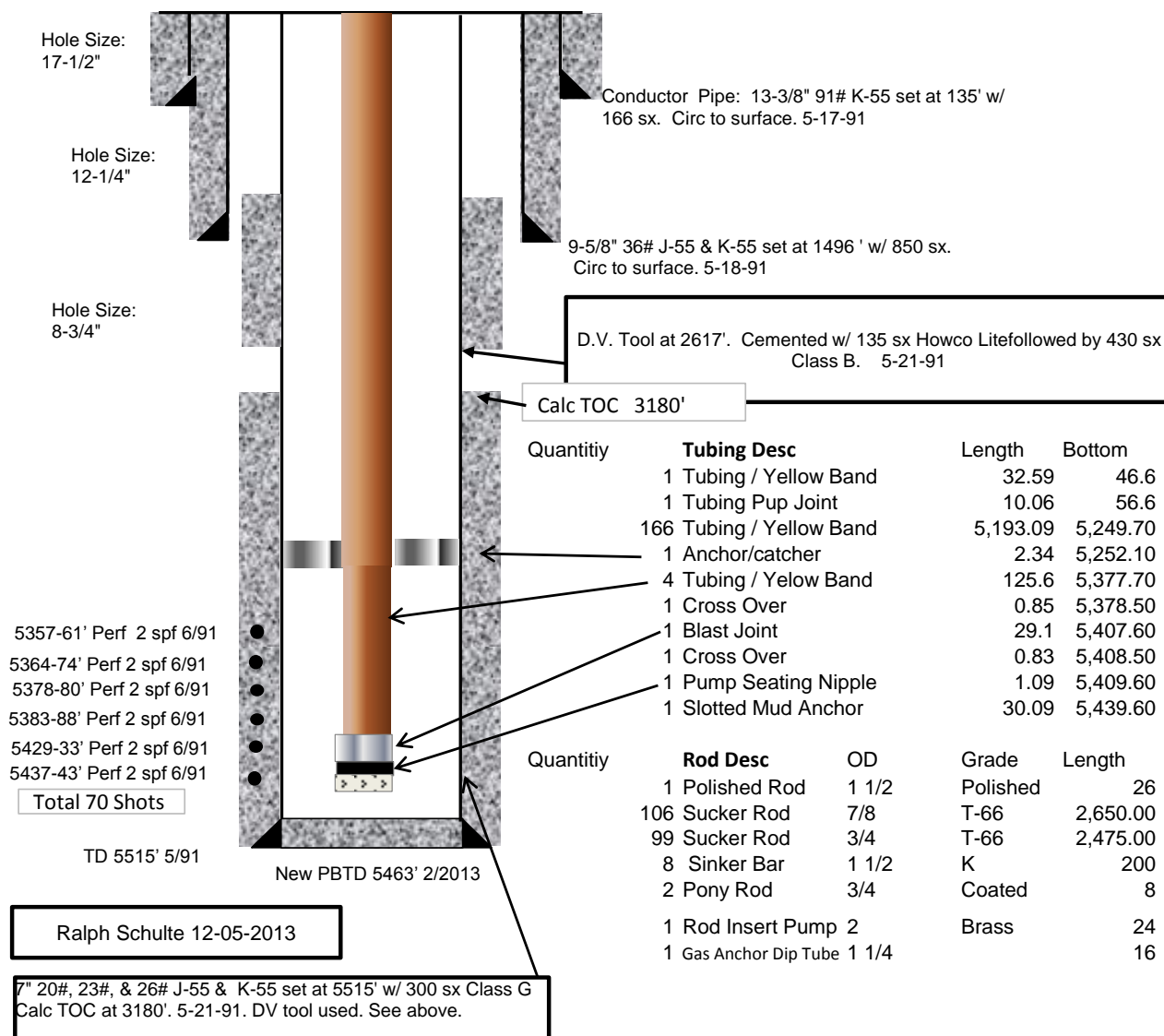
Status:

Producer

Logs: GR/CCL/CBL/VDL,BHC Sonic, Repeat Formation tester, Dual Induction, Comp Neutron/Density, Mud log

Treatment: 6481 gals 15% HCL at 2800 psi 2.5 BPM.
Flushed w/32 bbls water. Perf breakdown and treatment with 3' spacing PIP tool

KB 4535
GL 4521
Difference 14



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
		7. UNIT or CA AGREEMENT NAME: RATHERFORD
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: RATHERFORD 14-41
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		9. API NUMBER: 43037316230000
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		9. FIELD and POOL or WILDCAT: GREATER ANETH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0810 FNL 0521 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 41.0S Range: 23.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/30/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="pump repair"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice of a pump repair on the above well. Attached are the procedures and schematic

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 03, 2015

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A		DATE 7/24/2015

Resolute

Natural Resources

Date: 7/23/2014

Re: RU 14-41 Pump Repair

Procedure

Horsley Witten: No.

1. MIRU WSU, LOTO.
2. Pressure test tubing to 1000 psig.
3. Kill well as necessary.
4. POOH with rods and pump, standing back rods. Call and notify Bill Albert (970) 371-9682 to inspect rods. If unavailable, contact Tech Support: Virgil Holly (435) 444-0020 or Nate Dee. Check for paraffin on rods; some history of paraffin.
5. Inspect rod string & pump for cause of failure. Drop SV & re-PT the tubing to 2500 psi. If PT is good & rod condition is generally good, retrieve SV & go to step 15, running rods & pump. If PT fails, NU BOPE to pull tubing.
6. Release the TAC @ 5254.8' KB. Install a packer & pressure test BOPE. LD packer.
7. PU tag joints & tag bottom to check for fill; PBD at 5467' KB. Tally out of hole & stand back tbg.
8. Call and notify Bill Albert to inspect tubing. If unavailable, contact Virgil Holly or Nate Dee.
9. If needed, run bit only for cleanout to PBD; use bailer rather than nitrogen. Had 4' fill last pull in Jan 2014, not cleaned out.
10. TOOH with tubing & bit, standing back.
11. RIH/POH & LD or re-run tbg per inspection results. New 2-7/8 FBNAU tbg was run 1-29-2014.
12. TIH with 3-1/2" SMA joint, 2-7/8 carbon steel SN, 3-1/2" blast joint w/changeovers, 1 jts tubing, TAC and tubing to surface.
13. Set bottom of SMA at ~ **5300' KB** (148' higher than previous); set TAC at ~5203' KB.
14. ND BOP, NUWH. Change over for rods.
15. RIH with 1-1/4" x 16' gas anchor, new 2" insert pump, and rods. Contact Tech Support to confirm pump & rod details.
16. Long stroke pump to test for good pump action.
17. Leave enough polished rod for operators to correctly space pump as required.
18. Notify the Area Production Supervisor Alfred Redhouse (435) 619-7227 that well is ready.
19. RDMOL. Hook up appropriate chemical treatment.

RATHERFORD UNIT # 14-41

GREATER ANETH FIELD

810' FNL & 521' FEL

SEC 14-T41S-R23E

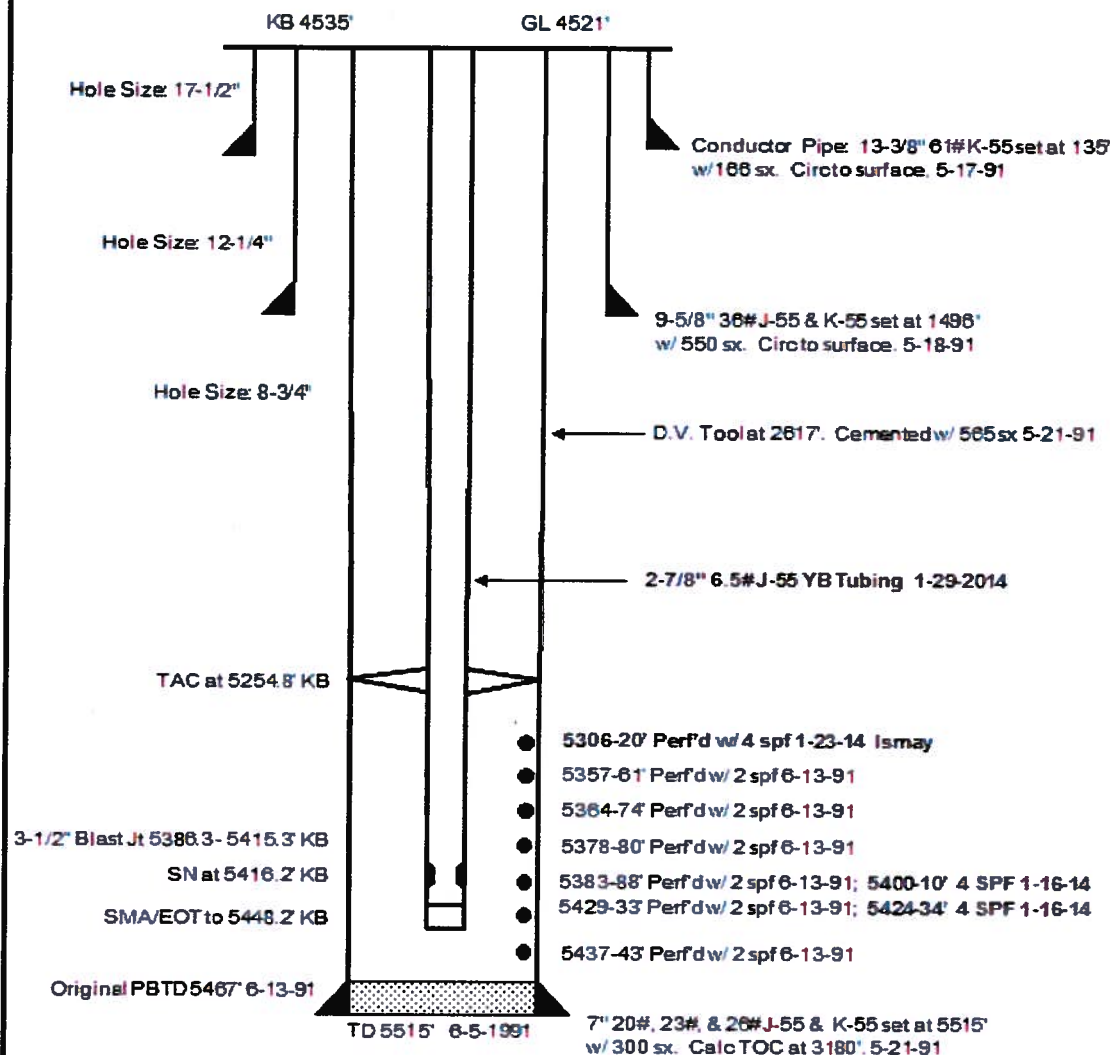
SAN JUAN COUNTY, UTAH

API 43-037-31623

PRISM 0043022

PRODUCER

Capacities:	bbt/ft	gal/ft	cwt/ft
2-7/8" 6.5#	.00579	.2431	.0325
7" 20#	.0404	1.7005	.2273
7" 23#	.0393	1.6535	.2210
7" 26#	.0382	1.6070	.2148
2-7/8" 7-20#	.0325	1.3533	.1822
2-7/8" 7-23#	.0313	1.3162	.1760
2-7/8" 7-26#	.0302	1.2898	.1697



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-247A			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		8. WELL NAME and NUMBER: RATHERFORD 14-41			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0810 FNL 0521 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 14 Township: 41.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037316230000			
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/15/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice of a tubing repair on the above well. Attached are the procedures and schematics					
Accepted by the Utah Division of Oil, Gas and Mining Date: September 15, 2015 By: <u>Derek Quist</u>					
NAME (PLEASE PRINT) Erin Joseph		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr. Regulatory Analyst			
		DATE 9/8/2015			

Resolute

Natural Resources

Re: RU 14-41 Hole in Tubing Repair

Procedure

Horsley Witten: No.

1. MIRU WSU, LOTO.
2. Pressure test tubing to 1000 psig (expect to fail).
3. Kill well as necessary.
4. POOH with rods and pump, standing back rods. Call and notify Bill Albert (970) 371-9682 to inspect rods. If unavailable, contact Tech Support: Virgil Holly (435) 444-0020 or Nate Dee. Rods were run 8/11/2015.
5. Drop SV & re-PT the tubing to 2500 psi to confirm HIT. If PT fails, NU BOPE to pull tubing.
6. Release the TAC @ 5254.8' KB. Install a packer & pressure test BOPE. LD packer.
7. PU tag joints & tag bottom to check for fill; PBD at 5467' KB. Tally out of hole & stand back tbgs.
8. Call and notify Bill Albert to inspect tubing. If unavailable, contact Virgil Holly or Nate Dee.
9. TOOH with tubing, standing back.
10. Tubing to be re-run or replaced per inspection results. New 2-7/8 FBNAU tbgs was run 1-29-2014.
11. RU E-line and set 7" CIBP at 5420' KB. Tag the plug with the setting tool after releasing and picking up off it to ensure it is set. Use Basin Well Logging CBL 6-5-1991 for depth correlation.
12. TIH with 3-1/2" SMA joint, changeover; 2-1/4" tubing pump barrel w/plunger + SV & 1-1/4" x 16' GA; 2 jts tubing, TAC and 2-7/8 tubing to surface.
13. Set bottom of SMA at ~ 5130' KB (318' higher than previous); set TAC at ~5009' KB.
14. ND BOP, NUWH. Change over for rods.
15. RIH with on/off tool on 7/8" T-66 rods and latch onto plunger. Contact Tech Support to confirm pump & rod details.
16. Long stroke pump to test for good pump action.
17. Leave enough polished rod for operators to correctly space pump as required.
18. Notify the Area Production Supervisor Alfred Redhouse (435) 619-7227 that well is ready.
19. RDMOL. Hook up appropriate chemical treatment.

RATHERFORD UNIT # 14-41

GREATER ANETH FIELD

810' FNL & 521' FEL

SEC 14-T41S-R23E

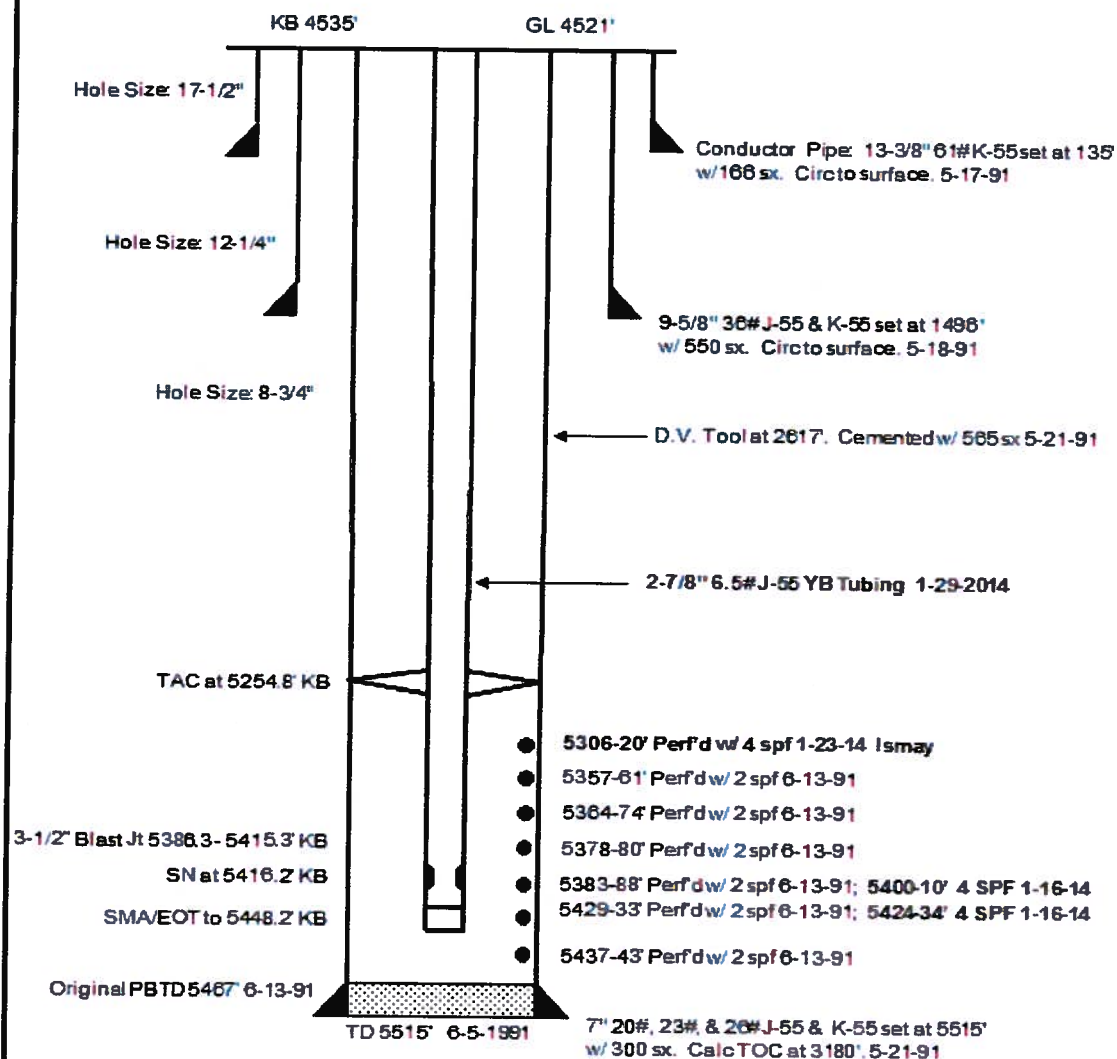
SAN JUAN COUNTY, UTAH

API 43-037-31623

PRISM 0043022

PRODUCER

Capacity:	bbblft	gal/ft	cuft/ft
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PHONE NUMBER: 303 534-4600 Ext		9. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		STATE: UTAH
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TYPE OF SUBMISSION	TYPE OF ACTION	
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/27/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input checked="" type="checkbox"/> TUBING REPAIR	
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	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice that the tubing repair on the above well was completed according to previously approved procedures on 10/27/2015		
NAME (PLEASE PRINT) Erin Joseph		PHONE NUMBER 303 573-4886
SIGNATURE N/A		TITLE Sr. Regulatory Analyst
DATE 12/18/2015		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 23, 2015